

2016 Lab • alog™

A Lab Products Catalog Filled with Food Safety Solutions



NELSON JAMESON
INC.

nelsonjameson.com • 1-800-826-8302

WELCOME TO THE FIRST EDITION OF THE NELSON-JAMESON LAB•ALOG™



Mathew J. Bartkowiak, Ph.D.

In 2017, Nelson-Jameson will be celebrating its 70th year in business. Throughout our history we have developed and grown as a business. Now comprised of six locations across the country, 56 truck routes, 165+ employees, and thousands of trusted relationships established with our customers, we sure have come a long way from our humble beginnings of four employees working out of a small building in Toluca, IL. Over the course of that time, the food industry, like Nelson-Jameson, has met a great deal of change itself. The implementation of the Food Safety Modernization Act, the most extensive change in food safety regulation in decades, has only accelerated this constant evolution of improving the safety and security of our food supply.

Thankfully, at the same time, our focus has remained steadfast since those initial days of

business back in 1947. Helping our customers to produce a safe, consistent, quality food supply has always been the aim of Nelson-Jameson. This simple vision has guided our business and allowed three generations of family ownership and our family of employees to come in daily with a sense of purpose and to leave each day with a sense of accomplishment and meaning. It is a unique drive, feeling, and sense of honor that has connected us to each other and to our customers, regardless of the year printed on the calendar.

What you have in your hands is a result of both that tireless march of change, as well as the unifying vision of service and support to the food industry that guides Nelson-Jameson to this day. Bringing together some of our most popular offerings for laboratory and QA/QC personnel, our Lab Catalog is a new way to access the products you need to keep your lab and food/beverage operation running smoothly. What isn't new is that the same ethos of excellent customer service and our commitment to the safety and success of the supply chain that we've always maintained continues to back up everything we do.

Sincerely,

A handwritten signature in black ink, reading "Mathew J. Bartkowiak".

Mathew J. Bartkowiak, Ph.D.
Lab Products Department Manager

NELSON - JAMESON LAB TEAM



Lab Instrumentation & Equipment

- 2** • M926 Chloride Analyzer & Accessories
- 4** • Titrators
- 5** • Fat Testing, Equipment & Accessories
- 13** • Sediment Testing
- 15** • Cryoscopes, Standards, Parts & Accessories
- 18** • Multi-Component Testing & Accessories
- 20** • Protein Testing
- 21** • Autoclaves & Accessories
- 26** • Balances, Scales & Weighing Accessories
- 41** • Blenders & Stomachers
- 45** • Water Baths, Dry Baths & Accessories
- 49** • Incubators, Freezers, Ovens & Accessories
- 56** • Moisture Testing, Desiccators & Accessories
- 59** • Water Activity & Accessories
- 61** • Hot Plates, Stirrers, Centrifuges & Accessories
- 63** • Microscopes & Accessories
- 66** • Viscosity & Turbidity Measuring
- 68** • Conductivity Testing, Salt Testing & Accessories
- 70** • Hydrometers & Refractometers
- 75** • Acidity Testing
- 77** • pH Testing, Electrodes & Accessories
- 94** • Thermometers, Data Loggers & Recorders
- 119** • Ambient Condition Monitors
- 119** • Water Purification

Labware

- 121** • Glassware, Plasticware & Accessories
- 142** • Pipettors, Pipets, Burets, Dispensers & Acc.

Sampling Supplies

- 153** • Aseptic Sampling Systems
- 155** • Sample Bags, Vials & Cups
- 165** • Sample Collection Tools & Shippers

Environmental & Microbiological Testing

- 169** • 3M™ Petrifilm™
- 171** • 3M™ Molecular Detection System
- 173** • 3M™ Tecra Pathogen Tests
- 175** • Easygel®
- 176** • Culture & Dehydrated Media
- 178** • Petri Dishes & Microbiological Accessories
- 183** • Stains, Reagents & Enrichments
- 186** • Test Kits
- 188** • Environmental Testing
- 199** • RCS® Air Sampler
- 200** • Air & Water Testing

Chemicals, Reagents & Safety Supplies

- 201** • Reagents
- 206** • Chemical Safety

General Laboratory Supplies

- 208** • Baskets, Forceps, Tongs & Rods
- 209** • Filters & Pads
- 210** • Moisture Dishes, Weighing Boats & Paper
- 211** • Tubing, Fittings & Clamps
- 213** • Timers & Clocks
- 214** • Lab Cleaners
- 215** • Miscellaneous Lab Supplies

Personnel & Safety Products

- 217** • Office Supplies
- 219** • Shipping & Packaging Supplies
- 221** • Material Handling
- 222** • Sanitation & Janitorial
- 228** • Gloves
- 230** • Hair & Beard Restraints
- 231** • Safety Glasses & Goggles
- 233** • Sleeve Protectors, Shoe Covers & Lab Coats
- 234** • First Aid
- 235** • Emergency Washes

Call Customer Service at 800-826-8302

M926 CHLORIDE ANALYZER**Nelson-Jameson M926 Chloride Analyzer System***An Accurate, Practical Salt and Chloride Measurement System for the Food Industry*

The M926 Chloride Analyzer System can meet all of your plant's requirements:

- Accuracy & repeatability - as specified by QA/QC department.
- Speed & reliability - as required by production department.
- Simplicity & ergonomic features - as needed by lab technicians.
- Data connectivity & cost-effectiveness - as demanded by management.

The Nelson-Jameson M926 Chloride Analyzer is an automatic chloride titrator designed for the food laboratory.

Preferred by many major U.S. food companies, it functions well in a networked system or as a stand-alone chloride and salt tester. Not a conductivity meter, our M926 actually titrates chloride with silver as in official methods. Various university studies have shown that our M926 is more accurate and precise than any other rapid method of salt determination. Like the Volhard procedure, but without the use of silver nitrate, the M926 titrates chloride with silver, however, the endpoint is electronically determined, which results in better accuracy. Automatic features provide speed and simplicity, reducing labor costs and improving results. Titrations are performed in under 1 minute for many samples. Results are displayed in % salt NaCl or mg/L chloride. Best of all, the M926 is competitively priced and economical to operate at less than 10¢ per test.

How does our M926 Chloride Analyzer compare with other automatic titrators?

A true food industry model - not a remake from a medical lab - the Nelson-Jameson M926 has a host of features ideal for the food industry. Ergonomic design makes it easy to introduce samples and allows easy access to electrodes for cleaning. The simple titration procedure requires little training. Calibrations are factory-set to ensure accuracy over a wide test range and prevents unauthorized adjustments. Visual user prompts appear on an LED-backlit display. Switches are embedded in a metal frame, and sealed under a vinyl shield, to permit rugged use and easy cleaning. A switch-mode power supply (100-240 volt input) provides protection against line surges. USB and RS232 data ports allow electronic capture and processing of results.

Results are accurate and reproducible ($\pm 3\text{mg/L Cl}$) with linearity over entire read-out range.

Appropriate for food testing, the M926 titrates relatively large sample aliquots. Errors induced in sampling are minimized. Microprocessor control ensures maximum reliability. Heavy-duty components stand up to continuous industrial use. Maintenance is minimal.

But, don't take our word for it. The Nelson-Jameson M926 is used by hundreds of food companies on products ranging from cheese to salsa, from hot dogs to dill pickles. The M926 Chloride Analyzer is in Standard Methods for the Examination of Dairy Products and has been documented by university studies to compare in accuracy to the Volhard method. Call us for a free copy of studies by the University of Wisconsin Food Research Institute and Iowa State Food Science Department.

Nelson-Jameson also provides full service on our M926 Chloride Analyzers and stocks all the needed parts and solutions to keep your unit running effectively. For more details and an opportunity to discuss your salt testing needs, call our laboratory specialists.

Model	Applications	Unit	Stock#	PRICE
M926	Food processing	EA	780-3545	\$5,984.12
M926S	Clinical/Industrial	EA	780-3565	\$5,984.12

Prices subject to change.

M926 CHLORIDE ANALYZER

Active Salt Software

Reduce errors, calculate % salt instantly and automatically generate reports with the Active Salt Software package. Data can be entered manually or collected directly via a USB to RS232 cable (provided) from the Model 926 Chloride Analyzer and a balance. Dilutions are calculated instantly based on sample and diluent weights. This helps eliminate time spent adding precise amounts to mixing containers. The package has been designed for ease of use with everything visible on one screen to improve efficiency and traceability of food analysis results. Package includes software and 2xRS232/USB adapter cable. Required accessories, sold separately, include: personal computer with USB port and Windows® XP or later operating system, A&D EKi Series or Mettler Toledo ML Series balances (see our balance section for additional information), RS232 adapter for A&D balance, and Chloride Analyzer with RS232 data port. Contact our Technical Service Department for compatibility with other balance manufacturers.



Description	Unit	Stock#	PRICE
Active Salt software with 2xRS232/USB adapter cable	KT	780-3020	\$299.76
Compatible Balances & Accessories			
Analyzer RS232 adapter cable	EA	780-3051	\$68.56
Balance, A&D EK-200i, 200 g x 0.01 g, Bi-directional RS232C	EA	008-3310	\$458.78
RS232 adapter, A&D balances	EA	780-3073	\$10.48
Positive Displacement Pipettors			
Gilson M250 Microman Pipette positive displacement 100-500 µL	EA	271-3000	\$305.00
Gilson tipack, 96/rack	RA	271-3003	\$37.82

M926 Chloride Analyzer Supplies

Description	Pkg	Unit	Stock#	PRICE
14 mL Plastic Beaker	1/ea	EA	780-3010	\$13.92
Chloride Standard for M926	100 mL/bottle	BO	780-3750	\$11.48
Chloride Standard for 925/M926S	100 mL/bottle	BO	780-3756	\$11.48
Combined Acid Buffer for M926	500 mL/bottle	BO	131-3751	\$21.95
Silver Electrode, Anode	3/pk	PK	780-3911	\$80.28
Silver Electrode; 1 Cathode, 2 Detecting	1 Cathode, 2 Detecting/pk	PK	780-3910	\$80.28
Silver Electrode Polish	25g/bottle	BO	780-3730	\$32.53

M926 Chloride Analyzer Repair Parts & Accessories

Description	Unit	Stock#	PRICE
AC power cord to s/n: 23904	EA	481-3000	\$9.66
Power adapter from s/n: 23905	EA	780-3153	\$129.97
Boot for electrode holder	EA	780-3905	\$29.87
Electrode holder	EA	780-3906	\$156.47
Foot pads, self-adhesive	EA	780-3964	\$2.06
Fuse, main, analyzer serial numbers to s/n: 23904	EA	780-3904	\$8.21
Micropot, count adjust	EA	140-3755	\$6.08
Operator's manual M926	EA	780-3902	\$36.02
O-ring for stirrer coupler	EA	498-1007	\$0.18
Platform lock	EA	780-3963	\$9.34
RS232 cable	EA	780-3051	\$68.56
Stir motor w/coupler	EA	780-3501	\$470.10
Stirrer	EA	780-3950	\$64.69
Surge suppressor	EA	481-3016	\$68.00
Switch, titrate/condition	EA	140-3900	\$12.47

Is your M926 in need of routine maintenance or repair?

Nelson-Jameson provides full service on our M926 Chloride Analyzers. Simply send it in, and our Tech Service Team will evaluate and fine tune your M926 to make it good as new!

Interested in trying out an M926 in your lab before purchasing?

Call us today for more info.

Call Customer Service at 800-826-8302

TITRATORS

**METTLER TOLEDO EasyPlus™
Easy pH Titrator**

Simplifies and speeds up automated acid/base endpoint or inflection/equivalence point titrations. The simple 'App' style user interface reduces training time while increasing work speed and simplicity. iTitrate Intelligence's guided setup assists in method programming to ensure samples are tested consistently, regardless of operator, and with minimal effort. Everything you need for automated acid/base titrations by pH endpoint or to an inflection point plus simple pH measurements. Be prepared for any sample matrix with our aqueous and non-aqueous pH sensors. This titrator is ideal for the following applications and many more:

- Acidity content of juices, wine and milk.
- Alkalinity of cleaning reagents and chemicals.
- Free fatty acid content of cooking oils.
- Alkalinity (m-value) and acidity (p-value) of water.



Unit	Stock#	PRICE
EA	340-3641	\$2,900.00

**METTLER TOLEDO EasyPlus™
Easy KfV Titrator**

Versatile and suitable for a range of determinations making it ideal for simple titrations of most sample types. The simple 'App' style user interface reduces training time while increasing work speed and simplicity. iTitrate Intelligence's guided setup assists in method programming to ensure samples are tested consistently, regardless of operator, and with minimal effort. Karl Fischer determination is the benchmark for water content analysis. The Easy KfV titrates for water content in a wide variety of samples from any industry. Features include:

- Tests water in the range from 100 ppm to 100%.
- Simple and automatic titrant standardizations.
- Injection port for syringes and pipetted liquid samples.
- Handy weighing/carrying spoon for easy and spill-free solid sample introduction.



Unit	Stock#	PRICE
EA	340-3645	\$5,165.00

HANNA® HI 84529 Titratable Mini Titrator*For Dairy Analysis*

This easy-to-use, fast and affordable automatic mini titrator is designed for testing titratable acidity levels in dairy products. Based on an acid-base titration method, this mini titrator uses an optimized preprogrammed method of analysis with a powerful algorithm that determines the completion of the titration reaction by the use of a specialized foodcare pH electrode. Incorporates a precision piston style dosing pump that adjusts the volume of dosing dynamically based on the voltage change. This innovative dosing system reduces the amount of time required while providing for a highly accurate reading. Supplied complete with all the materials necessary to perform low and high range measurements of titratable acidity. All chemicals are premixed and prepackaged, including standardized titrants, reagents, and pump calibration solution. No need for volumetric glassware or analytical balances. 2-year warranty. Call Nelson-Jameson for a listing of reagents and accessories.



Unit	Stock#	PRICE
EA	296-3529	\$810.00

HANNA® HI84532 Titratable Acidity Mini Titrator*For Fruit Juice Analysis*

Designed for testing the acidity of fruit juice, this automatic mini titrator is fast and easy-to-use. This potentiometric titrator uses a pH electrode and an optimized preprogrammed method of analysis to determine the completion of the titration reaction. Incorporates a precision piston style dosing pump that adjusts the volume of titrant delivered dynamically based on a voltage change. This dosing system reduces the amount of time required for the titration, while providing for a highly accurate determination of the amount of titrant used. Supplied complete with all materials necessary to perform low and high range measurements of titratable acidity in fruit juice. Results displayed as % citric acid, tartaric acid and malic acid. All chemicals are premixed and prepackaged, including standardized titrants, reagents, and pump calibration solution. There is no need for volumetric glassware or analytical balances, making titrations fast and easy. 2-year warranty. Call us for a reagents and accessories listing.



Unit	Stock#	PRICE
EA	296-3532	\$810.00

Prices subject to change.

FAT TESTING

Garver Centrifuges and Shakers for Babcock Testing

Established in 1915, barely two decades after Dr. Stephen Babcock created his milkfat test, Garver Manufacturing is a world leader in designing and building equipment for this particular test. Product designs have been continually refined for trouble-free operation. Each machine is hand-built and factory tested prior to shipping. Today the Garver name is associated with Babcock testing throughout the world. Nelson-Jameson, the premier supplier of Garver equipment in the United States, is equipped to handle all your needs. Rely on us for products and accessories, know-how, and a great variety of spare parts to keep you running. Call for sizes/capacities not listed.

Garver Deluxe VS Centrifuges

Our top-of-the-line model. Carefully designed to operate at the prescribed speed required for testing. Speed is regulated by a six-position tap switch. The first position is a high-speed start that brings the machine up to test speed range in as little as five seconds. The other five positions allow fine-tuning of test speed. Visiscope strobe speed indicator operates using fluorescent room lights. Heater is thermostatically controlled; top-mounted thermometer displays temperature. Pilot light for heater located in control box, along with motor, heater and tap switches.



23" cast aluminum bowl has brushed satin finish and cast iron base. Heavy duty motor bearings, computer machined shafts which are carefully hand polished, and an efficient oiling system provide years of trouble-free service. Equipped with brake. Height: 17-3/4". 115V. Holds glassware up to 9"H and 1-7/16" dia. Choice of 24- or 36-bottle capacity.

Model	Capacity	Wt	Unit	Stock#	PRICE
424VS	24-bottle	104	EA	246-3208	\$5,927.05
436VS	36-bottle	99	EA	246-3009	\$6,145.55

Garver Deluxe Series Centrifuges

Same as Model 424VS, but without variable speed feature. Equipped with 23" cast aluminum bowl, heater, thermostat, brake, thermometer, and visiscope. Pilot light, motor and heater switches in aluminum control box. Meets prescribed rpm for testing. Will provide years of trouble-free service.



Height: 16-1/8". 115V. Holds glassware up to 9" H and 1-7/16" dia. Choice of 24- or 36-bottle capacity.

Model	Capacity	Wt	Unit	Stock#	PRICE
424	24-bottle	85	EA	246-3107	\$5,118.60
436	36-bottle	96	EA	246-3008	\$5,354.20

Garver Series 200 Centrifuges

A smaller centrifuge with 20" cast aluminum bowl, designed to hold bottles up to 6-1/2" high. Ideal for Babcock and solubility tests. Many convenient features including: heater, thermostat, brake, thermometer, and visiscope. Pilot light, motor and heater switches in aluminum control box. Height: 15-1/2". 115V.



Model	Capacity	Wt	Unit	Stock#	PRICE
208	8-bottle	49	EA	246-7006	\$4,437.45
212	12-bottle	50	EA	246-3212	\$4,524.85
224	24-bottle	48.15	EA	246-3012	\$4,830.75

Gerber Test Centrifuges



Designed for the Gerber test, this Garver centrifuge is constructed with the same quality materials and features of the Garver Deluxe series. Features include: 23" cast aluminum bowl, heater, thermostat, brake, thermometer, visiscope, and Gerber adapters. Pilot light, motor and heater switches in aluminum control box. Specially built motor develops proper G force to perform Gerber test. Does not include variable speed feature. It will provide you with years of trouble-free service. Holds glassware up to 9" high. Height: 16-1/8". 115V. Choice of four different capacities.

Model	Capacity	Wt	Unit	Stock#	PRICE
108G	8-bottle	50	EA	246-3108	\$4,546.70
112G	12-bottle	50	EA	246-3211	\$4,786.10
424G	24-bottle	96	EA	246-3308	\$5,798.80
436G	36-bottle	98	EA	246-3309	\$5,833.00

Garver Centrifuges for Mojonnier Testing

Centrifuge for Mojonnier Testing with 2 place rotor head, sealed hazardous location safety on/off switch and sealed Garver motor for intermittent use only. Also features an isolated manual brake and aluminum centrifuge, motor and rotor head. Maximum run time of motor is 15 minutes. 115V/60 Hz.

Model	Capacity	Unit	Stock#	PRICE
202M	2-bottle	EA	246-3202	\$7,016.70
204M	4-bottle	EA	246-3204	\$7,597.15
308M	8-bottle	EA	246-3338	\$7,915.40
312M	12-bottle	EA	246-3312	\$8,467.35

Call Customer Service at 800-826-8302

FAT TESTING

Garver Centrifuge Replacement Parts

Model	Description	Unit	Stock#	PRICE
0031C	Ball bearing set screw	EA	246-3025	\$11.44
0032C	Ball-bottom of motor	EA	246-3026	\$8.18
0030C	Bearing-bottom of motor	EA	246-3024	\$12.85
0086C	Bearing oil	BO	246-3400	\$17.12
0029C	Bearing-top of motor	EA	246-3023	\$13.07
0016C	Brake, disc and stem	EA	246-3014	\$60.58
0052C	Cord and plug for heater	EA	246-3045	\$25.41
0009C	Double cup hanger	EA	246-3040	\$19.24
0013C	Double cup hanger w/balanced cups	ST	246-3041	\$62.06
0160C	Electronic speed control	EA	246-3150	\$181.12
0074C	Gerber adaptor	EA	246-3330	\$24.06
0058C	Handle for lid	EA	246-3048	\$40.14
0050C	Heater pin, 2 required	PR	246-3043	\$22.22
0049C	Heater, 500W, 4" diameter-regular models	EA	246-3038	\$130.47
0055C	Heater, 750W, 7½" diameter-large model	EA	246-3044	\$173.05
0051C	Lava bushing for heater pin, 2/set	ST	246-3039	\$29.99
0073C	Milk solids adaptor	EA	246-3335	\$27.26
0028C	Nut for carrier & visiscope	EA	246-3022	\$25.41
GE 47	Pilot light bulb	EA	246-3057	\$2.59
0021C	Rotor-large model	EA	246-3016	\$301.41
0020C	Rotor-regular model	EA	246-3017	\$265.34
0075C	Rubber pad-milk solids	EA	246-3340	\$3.20
0044C	Tap switch	EA	246-3034	\$110.68
0038C	Thermometer holder	EA	246-3029	\$60.58
0039C	Thermometer, -10° to 100°C (red alcohol)	EA	246-3999	\$55.54
0045C	Thermostat with wiring	EA	246-3035	\$91.55
0043C	Toggle switch, double pole	EA	246-3033	\$22.44
0037C	Top visiscope bushing w/washer	ST	246-3042	\$46.65
0034C	Visiscope (shaft, bushings, spring & face)	EA	246-3028	\$104.58
0035C	Visiscope (speed indicator)-face only	EA	246-3027	\$15.88
0141C	Garver shipper box for large centrifuge	EA	246-3141	\$53.28
0068C	Super Motor (need model & s/n of centrifuge)	EA	246-3976	\$844.12
0069C	Standard Motor (need model & s/n of centrifuge)	EA	246-3975	\$810.78

Garver Babcock Test Bottle Shaker

Saves time and produces consistently accurate results test after test. Test bottle contents are completely integrated within 30 to 45 seconds. Eliminates haphazard results from hand-twirling.

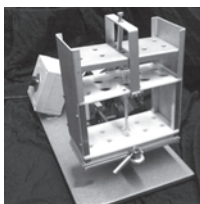
Shaker features heavy-duty gearhead motor with variable speed. Shaker tray is machine-cast aluminum with rubber pad on the bottom and a high density polyethylene top for quiet performance. Shaker arm is driven by precision ball bearing. 3/16" rust-resistant steel bottom plate has heavy rubber pad cemented under it. Vibration is minimal due to the low center of gravity, precise engineering and careful assembly. Accommodates 6" to 9" glassware.



Model	Description	Unit	Stock#	PRICE
Shakers				
240	24-bottle capacity	EA	246-3003	\$2,674.25
360	36-bottle capacity	EA	246-3005	\$2,816.75
Replacement Parts				
1107S	Rheostat switch	EA	246-3007	\$108.90
0102S	Motor brushes (Bodine motor), 2/set	ST	246-3006	\$17.80
0101S	Aluminum side bearing	EA	246-3101	\$180.25
0119S	Rubber pad, 24-btl	EA	246-3118	\$49.65
0134S	Shaker tray top, polyethylene, 24-bottle	EA	246-3129	\$75.11
0135S	Shaker tray top, polyethylene, 36-bottle	EA	246-3130	\$86.52
0130S	Carter gear motor w/mount	EA	246-3131	\$720.92
0104S	Carter shaker gear motor	EA	246-3132	\$649.16
0131S	Motor mount for 104 Carter motor	EA	246-3133	\$83.85
0103S	Carter motor brushes, 2/set	ST	246-3972	\$37.46
0111S	Nylon ball bearing ⅝"	EA	246-3968	\$12.29
1101S	Bearing, aluminum slide	EA	246-3101	\$180.25
1106S	Bearing, motor shaft	EA	246-3971	\$46.44

Garver Gerber Test Bottle Shaker

Designed specially for Gerber test bottles. It provides the reciprocating wrist action motion needed for Gerber testing. Comes with a removable tray. 115V/60H.



Model	Description	Unit	Stock#	PRICE
110G	12-bottle capacity	EA	246-3996	\$3,880.75

Prices subject to change.

FAT TESTING

Babcock Divider

Make Babcock test reading easier with this simple caliper, which has a 6" friction divider with self-centering gearhead and replaceable needle points. The nickel finish resists stains and tarnishing. Replacement parts include chrome needle points and eye bolts.



Description	Unit	Stock#	PRICE
Babcock divider	EA	444-3660	\$19.35
Replacement needle point for old style divider	EA	444-3044	\$3.85
Replacement needle point for current divider	EA	444-3008	\$3.75
Replacement eye bolt	EA	444-3005	\$2.75

Precision Caliper

For increased accuracy in reading the Babcock test, use this well-engineered unit. It features a lighted background with a magnified view of the calibrated stems of test bottles; precision setting of divider points; a heating element to maintain sample temperature; and a large stable base. Portable. 110V.



Description	Unit	Stock#	PRICE
Precision Caliper	EA	328-3010	\$3,054.25
Accessories			
Cord set w/ground	EA	328-3079	\$33.36
Cover plate assembly	EA	328-3013	\$85.98
Friction pin	EA	328-3011	\$6.36
Friction spring	EA	328-3012	\$8.47
Indicator assembly	EA	328-3014	\$722.58
Knob assembly	EA	328-3028	\$14.83
Light bulb, 120V/15W	EA	328-3015	\$10.80
Lower pinion gear	EA	328-3026	\$84.31
Magnifier assembly	EA	328-3060	\$157.44
Milk glass	EA	328-3007	\$23.31
Pointer set (2 per set)	ST	328-3020	\$21.19
Upper pinion gear	EA	328-3025	\$86.37

Laboratory Water Heater

Useful 1-gallon stainless steel water heater for lab use. Automatic temperature control with range from 60° to 170°F. Red light indicates when heater is on. Complete with cover, rubber tubing, clamp, and glass tip. 200W. 120V.



Description	Unit	Stock#	PRICE
Water heater	EA	588-3217	\$729.17
Replacement Parts			
Heating element	EA	588-3218	\$110.64
Glass tip	EA	588-3219	\$7.20
Rubber tubing, 12' roll	RL	155-3944	\$45.63

Nelson-Jameson Economy Babcock Water Bath

Saves hundreds of dollars and takes less space than more expensive water baths. Thermostat is calibrated from 60° to 250°F. Stainless steel pan has a 1/2" wide flanged rim so it can be recessed into a counter top.



Fits opening: 19-7/8" x 11". Accommodates 6-1/2" Babcock bottles. A 36-bottle stainless steel rack and hold-down shield are included. Capacity is 30 liters. Interior measures 20" x 12" x 8" deep. Exterior measures 21-3/4"L x 13-3/4"W x 8" deep. 1500W.

Description	Unit	Stock#	PRICE
Complete water bath	EA	483-3010	\$811.05
Replacement Parts			
Bath without rack & shield	EA	483-3011	\$674.40
Babcock bottle rack and shield	ST	490-3000	\$172.64
Heater element replacement	EA	188-3003	\$190.33
Heater w/thermostat without cord & plug	EA	188-3004	\$298.03
Heater w/thermostat with cord & plug	EA	188-3009	\$434.84

See page 201-205 for all necessary Reagents for completing your Babcock Fat Test.

Call Customer Service at 800-826-8302

BABCOCK FAT TESTING**Nelson-Jameson Babcock Fat Test Bottles**

Nelson-Jameson branded Babcock fat test bottles are made of the highest quality borosilicate glassware that can withstand the high heat and centrifugal force that is required for Babcock fat testing. The bottles are manufactured in accordance to Standard Methods of Examination of Dairy Products and AOAC specifications. Scales are printed in permanent, amber stain. Large marking spot provided for easy use with an ordinary pencil for sample identification. Sold by the each. Packaged 12/cs. 624-3403 and 624-3406 have "Sealed #3" marking for states requiring it. 624-3407 is the required bottle in California.

Size	For Testing	Capacity	Height	Div./Tol.	Unit	Stock#	PRICE
8%	Milk	18 g	6.5"	0.1%±0.04	EA	624-3403	\$19.90
20%	Ice Cream/Half & Half	9 g	6.5"	0.2%±0.2	EA	624-3404	\$16.13
50%	Cream	9 g	9"	0.5%±0.25	EA	624-3407	\$17.46
50%	Cream	9 g	6.5"	0.5%±0.25	EA	624-3406	\$18.71

**Nelson-Jameson Paley Fat Test Bottles**

High quality and excellent precision. Stopper is included.

Size	For Testing	Capacity	Height	Div./Tol.	Unit	Stock#	PRICE
20%	Cheese/Cream	9 g	6.5"	0.2%±0.2	EA	624-3400	\$57.56
50%	Cheese	9 g	6.5"	0.5%±0.25	EA	624-3401	\$57.56

**Kimax® Babcock Fat Test Bottles**

Quality milk testing glassware that is carefully fabricated and accurately calibrated with durable fused-in graduation lines. Bottles are manufactured according to APHA and AOAC specifications. Packaged 12/case.

- S indicates "Sealed #3" marking for states requiring it.
- C+ Indicates required in California.

Model	Size	For Testing	Capacity	Height	Div./Tol.	Unit	Stock#	PRICE
530	0.5%	Skim milk	18 g	6½"	.01% ±.025	EA	498-3040	\$37.49
1003S-8	8%	Milk	18 g	6½"	.1% ±.1	EA	363-3076	\$20.10
516	20%	Ice cream	9 g	6½"	.2% ±.2	EA	498-3037	\$21.74
2085S	50%	Cream Cheese	9 g	6½"	.5% ±.5	EA	498-3095	\$16.38
2015S	50%	Cream	18 g	6½"	.5% ±.5	EA	498-3080	\$16.23
2075C+	50%	Cream	9 g	9"	.5% ±0.25	EA	363-3276	\$19.51

**Kimax® Paley Fat Test Bottles**

Used extensively in the industry. Comes complete with three stoppers. Both bottles are 6-1/2" high with 9 gram capacity. 3/case.

Model	Size	For Testing	Div./Tol.	Unit	Stock#	PRICE
508	20%	Cheese/Ice Cream	.2% ±.2	EA	498-3032	\$57.00
509	50%	Cheese	.5% ±.5	EA	498-3035	\$57.00



Prices subject to change.

BABCOCK FAT TESTING

Forcoven Babcock Fat Test Bottles

This high quality borosilicate glassware is manufactured to APHA and AOAC specifications. Each piece is individually calibrated with mercury and all graduation lines are acid-etched for finer definition. Narrow neck results in an extended scale, improving readability. All bottles marked "Sealed #5" for states requiring it. Skim bottle has decimal reading and has a twin stem as pictured. All other bottles are single stemmed. 6/case.

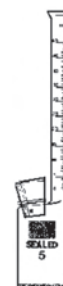


Size	For Testing	Capacity	Height	Div./Tol.	Unit	Stock#	PRICE
0.5%	Skim milk	18 g	6½"	0.01% ±0.0005	EA	156-3076	\$64.74
8.0%	Milk	18 g	6½"	0.1% ±0.04%	EA	156-3077	\$34.74
20%	Cream/Ice cream	9 g	6½"	0.2% ±0.1	EA	156-3079	\$35.44
50%	Cream	9 g	6½"	0.5% ±0.25	EA	156-3080	\$37.54
50%	Cream	18 g	9"	0.5% ±0.25	EA	156-3083	\$41.58
60%	Cream	18 g	9"	0.5% ±0.25	EA	156-3086	\$50.70

Forcoven Babcock Fat Test Bottles, Paley

Manufactured from the highest quality borosilicate glass, these Paley bottles are acid-etched and mercury-calibrated for accuracy. Paley bottles have a graduated neck offset to one side of the body. This leaves room for a hole which allows solid or viscous material to be added and a stirring rod to be used. Stopper included.

Size	For Testing	Capacity	Height	Div./Tol.	Pkg	Unit	Stock#	PRICE
20%	Cheese	9 g	165 mm	.2% ±.2	12/cs	EA	156-3084	\$62.45
50%	Cheese	9 g	165 mm	.5% ±.5	6/cs	EA	217-3998	\$62.45
50%	Cheese	9 g	170 mm	.5% ±.5	6/cs	EA	217-3550	\$62.45
Replacement stopper					20/pk	PK	156-3088	\$52.63



White Marking Pencil

Verithin white pencil for marking test bottles and other glassware.



Unit	Stock#	PRICE
EA	444-3015	\$3.96

Red China Marker

Wax base resists moisture. Writes on glass. Paper wrapped. 12/box.



Unit	Stock#	PRICE
EA	205-3050	\$1.96

Milk Test Bottle Brush

White polyester. Has heavier fill but inserts easily into test bottle. Fan tip. 10" overall length. 12/pack.



Unit	Stock#	PRICE
EA	420-2150	\$2.07

Cream Test Bottle Brush

Black polyester compressible bristles; twist-locked to last. Tied tip. 11" overall length.



CARLISLE
SANITARY MAINTENANCE PRODUCTS

Mfg Part #	Unit	Stock#	PRICE
4121200	EA	618-6053	\$7.92

To find the proper brush for thorough cleaning of your glassware, call our knowledgeable Technical Support Staff!

Call Customer Service at 800-826-8302

FAT TESTING

Babcock Test Bottle Washer



Avoid the task of washing Babcock test bottles by hand. This washer is portable, lightweight, yet rugged. It reduces breakage. Washes and rinses in 2 minutes. Just connect the hose to any faucet. Alcotab™ detergent recommended.

Description	Model	Specifications	Unit	Stock#	PRICE
Washers					
12-bottle capacity	4012	For 6.5" tall Babcock bottles	EA	194-3000	\$825.55
24-bottle capacity	4024	For 6.5" tall Babcock bottles	EA	194-3005	\$1,014.60
36-bottle capacity	4036	For 6.5" tall Babcock bottles	EA	194-3010	\$1,247.35
Replacement Parts					
Test bottle rubber cushions	-	-	EA	194-3011	\$4.84
6" spray jet nozzle, standard	-	-	EA	194-3012	\$15.14
8" spray jet nozzle, tall - 50% cream	-	-	EA	194-3013	\$20.29
Accessories					
Alcotabs, 100 tabs/bottle	-	-	BO	012-5130	\$21.93

Kimax® Dairy Pipets



Glass pipets designed to comply with Fed. Spec. DD-P-371. Designed to fit Kimble Babcock bottles. 12/case.

Capacity	Description	Unit	Stock#	PRICE
9 mL	Cream pipet, calibrated to deliver	EA	498-3050	\$13.20
17.6 mL	Milk pipet, calibrated to contain	EA	498-3100	\$16.68

Forcoven Dairy Pipets



Borosilicate glass. Designed to fit Forcoven Babcock bottles. Acid-etched markings. 12/case.

Capacity	Description	Unit	Stock#	PRICE
9 mL	Cream pipet, calibrated to deliver	EA	156-3712	\$11.67
9 mL	Skim pipet, calibrated to contain	EA	156-3713	\$11.67
17.6 mL	Milk pipet (sealed #5), calibrated to contain	EA	156-3714	\$12.19

Prices subject to change.

GERBER FAT TESTING

GERBER Skim Milk Fat Test Bottle

Rapid, accurate testing of the fat content of skim milk in less than 10 minutes in a single easy step. The unique sidearm permits easy, rapid acid transfer. Only a single centrifuging is needed and the fat content is read directly in percentage. Supplied with special rubber stopper. Extra stoppers available. 10 bottles/case.

Size	For Testing	Sample Size	Div./Tol.	Unit	Stock#	PRICE
0.50%	Skim milk	11 mL	0.01	EA	534-3190	\$180.84
Replacement stopper				EA	534-3192	\$3.74



GERBER Fat Test Bottles

Standardized dimension and capacity. Craftsman-made of resistant borosilicate glass, fully annealed. Precision-calibrated in accordance with specifications of Standard Methods for the Examination of Dairy Products. 10/case.

Size	For Testing	Sample Size	Div./Tol.	Unit	Stock#	PRICE
8%	Milk	11 mL	0.1 ± 0.05	EA	534-3008	\$18.77
4%	Semi-milk	11 mL	0.05 ± 0.025	EA	534-3120	\$19.83
50%	Heavy cream	5 g	0.5 ± 0.25	EA	534-3009	\$27.99
25%	Light cream/ice cream	5 g	0.2 ± 0.1	EA	534-3140	\$27.61
20%	Light cream/ice cream	5 g	0.2 ± 0.1	EA	534-3150	\$27.61
15%	Ice cream/half and half	5 g	0.2 ± 0.1	EA	534-3160	\$27.61



GERBER VAN GULIK Cheese Fat Test Bottle

Cheese test bottle comes complete with a large stopper attached to a perforated glass weighing funnel, and a small stopper for the open terminal bulb. Replacement stoppers include both as a set. 10 bottles/case.

Size	For Testing	Sample Size	Div./Tol.	Unit	Stock#	PRICE
40%	Cheese	3 g	0.5	BO	534-3210	\$31.88
Replacement stopper				ST	534-3212	\$13.34



Kimax® 3010 GERBER Milk Test Pipet



Glass pipets calibrated to deliver 11 mL of milk with accuracy of ±0.05. Pipet scale is permanent brown ink. Designed from ASTM specification E1043, type VI requirements, to comply with APHA. 12/case.

Unit	Stock#	PRICE
EA	363-3050	\$21.25

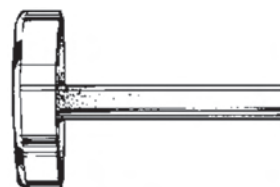
GERBER Glassware Brushes



Specially designed lab brushes for cleaning Gerber glassware. Not designed for 4% bottles.

Description	Unit	Stock#	PRICE
Gerber test bottle stem brush	EA	534-3228	\$3.02
Gerber test bottle bulb brush	EA	534-3229	\$2.85

GERBER Lock Stopper



Positioned into bottle by pressure from hand-held key on interior ball. Resistant rubber, brassbound and cored. Positive sealing with no possibility of acid spillage. Key sold separately.

Description	Unit	Stock#	PRICE
Lock stopper	EA	534-3320	\$3.30
Hand-held key	EA	534-3300	\$8.02

Call Customer Service at 800-826-8302

ETHER EXTRACTION/FAT TESTING

Fat Extraction Flasks

Borosilicate glass specially fabricated for the fat extraction test. Each flask meets or exceeds AOAC specifications.

Kimax® Mojonnier® Fat Extraction Flask



The unique Kimax Mojonnier Flasks for fat extraction has a screw cap providing you with a safety feature other fat flasks cannot offer. This version has a 24-410 GPI thread and is supplied with a black phenolic cap with PTFE-faced white rubber liner.

Description	Size	Unit	Stock#	PRICE
25 mL capacity	38 x 150 mm	EA	156-3111	\$66.71

Forcoven Fat Extraction Flasks

These flasks permit the optimum sample size and combination of reagents. Use the 21 mL bulb for milk. The 27 mL bulb will accommodate the addition of wetting agents to disperse dry materials. Sufficient room for acid, necessary to hydrolyze cheese, is provided by the 33 mL bulb. Flasks are supplied with #6 corks and a pouring lip. Replacement corks sold 10/bag.



Description	Unit	Stock#	PRICE
21/23 mL	EA	156-3440	\$61.05
27/29 mL	EA	156-3438	\$64.21
33/35 mL	EA	156-3439	\$68.42
Replacement #6 cork Grade XXXX	BG	217-3440	\$28.42

MOJONNIER® G3 Fat Extraction Flasks

Without pouring lip. Replacement corks #6 (#373-3300) are sold separately.



Description	Unit	Stock#	PRICE
23 mL	EA	156-3437	\$64.78

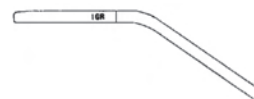
Corks

Medium grade corks.

Size	Top Diameter	Bottom Diameter	Pkg	Unit	Stock#	PRICE
6	19 mm	15 mm	Each	EA	373-3300	\$0.42
6	19 mm	15.5 mm	100/pk	BG	700-3400	\$31.41
7	20 mm	16 mm	100/pl	PK	373-3301	\$38.06

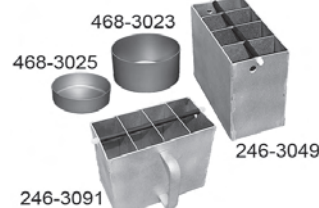
Forcoven Curved Liquid Weighing Pipets

Made of borosilicate glass. Use for weighing liquid samples prior to fat extractions.



Capacity	Unit	Stock#	PRICE
1 g	EA	156-3708	\$10.52
2 g	EA	156-3709	\$11.58
5 g	EA	156-3710	\$11.58
10 g	EA	156-3711	\$12.63

Mojonnier Tester Accessories



Designed for use with the Mojonnier Tester. Aluminum pans and aluminum centrifuge basket for 4 flasks.

Description	Size (Diameter x H)	Unit	Stock#	PRICE
Fat extraction dish	3 1/4" x 2"	EA	468-3023	\$37.50
Solids dish	3" x 1"	EA	468-3025	\$63.87
Garver centrifuge basket for 4 flask w/ handle	-	EA	246-3091	\$172.05
Garver centrifuge basket for 4 flask w/o handle	-	EA	246-3049	\$159.56

Kohman Butter Test Cup



Used for the testing of moisture, fat and salt using the Kohman test method for butter analysis. Made from aluminum. Holds 250 cc.

Unit	Stock#	PRICE
EA	715-3300	\$63.55

Technical support is only a call away:

800-826-8302

Prices subject to change.

SEDIMENT TESTING

Sediment Testing

A proven, reliable method of determining sediment concentration in milk and other dairy products. This method has been used for many years as a quality determinant in the dairy industry. A complete set-up includes sediment tester with correct bushings or screen and sediment test cards or disks appropriate for product being tested. Call us for assistance.

Sediment Testers & Bushings/Screens

Manufactured to meet FDA/APHA requirements, our testers feature a 304 stainless steel funnel, with baffle, attached to a cast bronze base. The nickel plated base is threaded for positive funnel attachment. Filters lock in place preventing air leaks. Designed exclusively for this tester, the aspirator reduces the drawing period to about 1/5 the time required for standard aspirators. Unit with backflush aspirator is also available in order to unclog the screen when doing scorched particle testing.



Requires appropriate bushings or screen, sold separately below. Bushings are made of rugged polyurethane machined to within $\pm .001$ " of specifications. Select proper bushings or screen according to sample type and quantity.

Description	Sample Quantity	Aperture	Unit	Stock#	PRICE
Sediment tester w/standard aspirator			EA	122-3001	\$463.18
Sediment tester w/backflush aspirator			EA	122-3002	\$463.18
Bushings and Screens					
Reconstituted dry milk, screen only	250 mL (8.45-oz)	2.8 cm (1.125")	EA	122-3112	\$21.99
Milk	30 mL (1-oz)	0.25 cm (0.1")	PR	122-3115	\$27.49
Milk	60 mL (2-oz)	0.35 cm (0.14")	PR	122-3116	\$27.49
Milk	120 mL (4-oz)	0.51 cm (0.2")	PR	122-3117	\$27.49
Milk	473 mL (16-oz)	1.02 cm (0.4")	PR	122-3118	\$27.49
Replacement Parts					
Aspirator w/backflush, blue plastic			EA	122-3110	\$167.90
Aspirator w/o backflush, black plastic			EA	122-3111	\$167.90
Stainless steel funnel - 1000 mL capacity			EA	122-7001	\$210.74
Splash gun for sediment tester, blue plastic			EA	122-7002	\$34.36

Sediment Test Cards and Discs

Test cards filter the medium and provide a positive record in one step. They consist of a reporting card with filter disc attached. Accommodate up to 1.25" aperture openings.

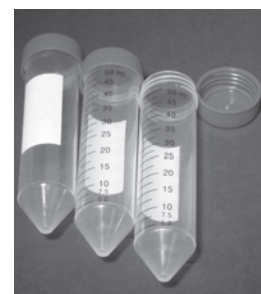
- NJ-1 is our most popular test card. Also available as disc without card. USDA-specified fabric.
- NJ-2 is the same disc, but card has a slightly different reporting format.
- NJ-3 was designed for heavy cream, dried dairy products (such as whey or non-fat dry milk) or similar products that will not pass through NJ-1 or NJ-2. Fabric carries no USDA acceptance.
- 999 has the same reporting format as NJ-3, but has the same disc as NJ-1 and NJ-2. USDA-specified fabric.



Mfg Part #	Pkg	Unit	Stock#	PRICE
NJ-1 CARD	500/bx, 10 bx/ca	BX	723-3005	\$69.30
NJ-1 DISC	1000 disc/bg	BG	723-3004	\$19.26
NJ-2 CARD	500/bx, 10 bx/ca	BX	723-3006	\$69.30
NJ-3 CARD	500/bx, 10 bx/ca	BX	723-3007	\$69.30
999 CARD	500/bx, 10 bx/ca	BX	723-3008	\$69.30

Disposable Centrifuge Tubes

Sterile, conical bottom tubes featuring a screw top with easy-to-read black graduations. 50 bulk packaged and offer a write-on strip. Suggested working temperature range is between 0° to 40°C. Made of polypropylene.



Capacity	Pkg	Unit	Stock#	PRICE
15 mL	50/pkg	PK	700-3222	\$10.09
15 mL	500/ca	CA	700-3322	\$91.24
50 mL	50/pkg	PK	700-3301	\$9.28
50 mL	500/ca	CA	700-3505	\$89.53

**Sediment Standards Photos
available at no cost by calling
USDA: 202-720-9383.**

Call Customer Service at 800-826-8302

SEDIMENT TESTING

Kimax® 45167 Centrifuge Tube



Reusable borosilicate glass tube with standard taper conforming to USP Type 1 and ASTM E436, Type 1, Class A requirements. Graduated and calibrated to contain. All markings are durable black ceramic enamel. Top is beaded for strength. Used in determination of solubility index for dry milk.

Capacity	Subdivisions	Unit	Stock#	PRICE
50 mL	0-1 in 0.1, 1-2 in 0.2, 2-10 in 0.5, 10-20 in 1 and at 50	EA	363-3990	\$25.26

Imhoff Settling Cone

Use for suspended matter testing. Graduations: 0 to 1 mL (in 0.1 mL subdiv.); 1 to 10 (in 0.5); 10 to 40 (in 1.0); 40 to 100 (in 2.0); with lines and numbers at 250, 500, and 1000 mL. Includes leakproof, screw cap plug in bottom for withdrawing sediment for gravimetric analysis and cleaning.



Size	Unit	Stock#	PRICE
1000 mL Cone	EA	334-3001	\$41.05
Imhoff cone rack, holds 3 cones	EA	716-3760	\$40.81

W.S. TYLER™ Laboratory Sieves

U.S. Standard



Seamless, 20 cm (8") diameter brass frames, with wire cloth carefully soldered to frame. 2" deep. Made in accordance with specifications outlined in ASTM E11, USA Standard Z23.1, AASHTO M92 and Fed. Spec. RR-S-366b, with U.S. Standard series designations which indicate sieve apertures.

Tyler Screen Scale Equivalent Designation	U. S. Sieve Designation	Aperture Size (mm)	Unit	Stock#	PRICE
6 mesh	6	3.35	EA	220-3296	\$81.47
8 mesh	8	2.36	EA	220-3295	\$121.02
9 mesh	10	2.00	EA	155-3713	\$114.92
10 mesh	12	1.70	EA	220-3299	\$92.65
12 mesh	14	1.40	EA	155-3714	\$100.77
16 mesh	18	1.00	EA	155-3715	\$101.83
20 mesh	20	0.850	EA	220-3321	\$100.38
24 mesh	25	0.710	EA	155-3716	\$81.87
28 mesh	30	0.600	EA	220-3322	\$96.82
32 mesh	35	0.500	EA	155-3717	\$93.92
35 mesh	40	0.425	EA	220-3323	\$93.35
42 mesh	45	0.355	EA	155-3718	\$81.80
100 mesh	100	0.150	EA	220-3324	\$100.09
200 mesh	200	0.075	EA	220-3325	\$116.59
250 mesh	230	0.063	EA	220-3329	\$124.67
Accessories					
Brass cover			EA	716-3967	\$17.54
Brass receiver			EA	220-3326	\$37.09

**Many other sieve sizes and materials available upon request.
Call us at 800-826-8302.**

CRYOSCOPES

Advanced® 4250 Single-Sample Cryoscope

Superior accuracy and reliability in just two minutes. Determine the amount of water in milk with precision. Many dairy plants report complete payback on their investment within a matter of months.

This model offers both the International Reference and screening freezing point methods for rapid, precise, reliable results. Calibration requires no user adjustments; just follow the instrument's prompts. Offers a full range of data handling capabilities with an onboard printer and barcode scanner. Instrument memory provides electronic storage and retrieval of up to 30 test results.

Features include a frost-free cooling chamber, which eliminates most routine maintenance. Sample probe and stir-wire are fully accessible for easy cleaning. Simple push-button design, statistical analysis and multi-language capability make the Advanced 4250 Single-Sample Cryoscope an industry standard.

Mfg Part #	Wt	Unit	Stock#	PRICE
4250	39	EA	222-3425	\$9,936.00

Advanced® 4C3 Cryoscope

Forget bulky sample carousels that take up space and have limited capacity. Save time with the 4C3 Multi-Sample Cryoscope featuring new, easy-to-load and feed cassettes. Automatic calibration cassettes cut down time previously spent adjusting unit.

Here's how the 4C3 speeds up sample testing:

- Operator preps and loads up to ten sample tubes into a specially-designed cassette which inserts into the cryoscope for testing.
- Then, following the same steps, the operator proceeds onto the next cassette.
- Meanwhile, previously loaded samples continue to process automatically while new cassettes are loaded and inserted.

Essentially, continuous throughput keeps your cryoscope and operator working at peak efficiency, testing more samples than ever before. When necessary, the 4C3 features an interrupt capability which allows testing to be suspended. Unique to the 4C3 is a dual-stage cooling system which simply means the instrument is ready when you are. Because the cryoscope initially relies on a solid-state cooling block, testing can begin immediately. That means you won't waste time waiting for your cryoscope to get ready. An important part of any quality control operation is recording and analyzing results. With the 4C3's standard computer interface, you not only can network more than one instrument together, you can easily communicate with computers and printers for data analysis. For convenience, the 4C3 also offers a built-in printer. 50 sample capacity. One-year limited warranty on workmanship and all parts, except glass, plastic and parts warranted by their makers. Printer and RS232 ports included.

Mfg Part #	Description	Unit	Stock#	PRICE
4C3	Multi-sample Cryoscope	EA	222-3330	\$24,479.98
4C3050	Set of 5 cassettes, #1 to #5 (each cassette holds 10 samples)	ST	222-3331	\$399.86
4C3060	Set of 5 cassettes, #6 to #10 (each cassette holds 10 samples)	ST	222-3332	\$399.86

Call Customer Service at 800-826-8302

CRYOSCOPES

QuickCheck™ TECH Cryoscope



The QuickCheck TECH Cryoscope is a reliable, affordable and versatile analytical tool for detecting extraneous water in milk at any point throughout the dairy supply chain. Easy-to-use, accurate, and cost-effective analysis of milk, in compliance with internationally reviewed and recommended methods (AOAC, IDF 108:2002 & ISO 5764:2009) for payment purposes. Robust electronics, featuring a streamlined calibration and rugged cooling capabilities. Provides results that meet or exceed accuracy requirements for QC/QA critical control points including payment purposes in milk collection/reception.

Mfg Part #	Description	Unit	Stock#	PRICE
QC-TECH	QuickCheck Tech Cryoscope	EA	785-3005	\$6,350.00

QuickCheck™-IV/GR Cryoscope



Accurate and precise milk testing for adulteration of milk in accordance with current international reference methods (see ISO 5764:2009, IDF 108:2009 and AOAC), this unit provides ultra-accurate results in ~ 90 seconds. Rely upon the test the industry has trusted for years: Freezing-Point. The robust, modular construction of the Model QC-IV/GR is designed to provide you with years of dependable service. User-friendly operation ensures that real-time results are ready anytime; on demand. Whether your testing needs are for payment purposes, product development, production monitoring or simply to confirm positives from screening tests, the QuickCheck Cryoscope offers steadfast accuracy and unwavering precision to faithfully fulfill a wide variety of requirements. A graph charting the actual freezing point curve, in real-time for each sample tested, is displayed on the readout display. This provides in-depth insight helpful for a multitude of purposes, including troubleshooting and research & development. The QuickCheck Start-Up Kit contains: QuickCheck Milk Analyzer, Model QC-IV Sample Tubes Calibration & Control Solutions, and CryoCool™ Heat Transfer Fluid Stainless Steel Sample Tube Rack.

Mfg Part #	Description	Unit	Stock#	PRICE
QC-IV/GR	QuickCheck Cryoscope and Start-Up Kit	EA	785-3006	\$6,990.00

QuickCheck™ Flex Cryoscope



The QuickCheck Flex is a portable freezing-point Cryoscope, providing precise results for added water in milk in accordance with recommended reference methods (AOAC/IDF/ISO) for payment purposes. The only 12 Volt -DC powered (battery) instrument, the portable QC-FLEX is a tool for rural or remote locations off the 'grid' or in areas where AC power is not always reliable. Applications include milking parlors, bulk tanks, collection centers, milk trucks, use by herd management teams & field reps. Bringing you real-time information about added water, when you need it – where you need it: Check the bulk tank to monitor for added water caused by improperly drained lines, condensation, etc. Screen milk samples for extraneous water upon pick up at the farm, prior to loading, to confirm compliance with recommended levels. Optional AC capabilities (w/an external power supply) facilitate use in milk reception, on-farm bottling & dairy processing plants.

Mfg Part #	Description	Unit	Stock#	PRICE
QC-FLEX	QuickCheck Flex Cryoscope	EA	785-3007	\$5,850.00

Prices subject to change.

CRYSCOPE STANDARDS, SUPPLIES & PARTS

Cryoscope Standards, Supplies & Parts

Nelson-Jameson is one of the best sources of cryoscope standards, supplies and parts in the country. If you don't see what you need listed below, chances are we'll still be able to get it. Just call our customer service representatives at 800/826-8302 with the details.

Advanced® Cryoscope Standards

Description	Pkg	Unit	Stock#	PRICE
.422 Standard	10 mL/ea, 10/bx	BX	222-3232	\$47.17
.422 Standard	110 mL/btl	BO	222-3116	\$20.38
.530 Lactrol reference solution	10 mL/ea, 10/bx	BX	222-3231	\$60.97
.530 Reference solution	110 mL/btl	BO	222-3027	\$22.50
.621 Standard	10 mL/ea, 10/bx	BX	222-3233	\$47.17
.621 Standard	110 mL/btl	BO	222-3113	\$20.38

Advanced® Cryoscope Supplies

Description	Pkg	Unit	Stock#	PRICE
30 Vial rack, polypropylene	1 ea	EA	010-3085	\$20.65
Air filter	6/bx	BX	222-3040	\$78.27
Cryoscope tubes	12 ea/bx	BX	222-3234	\$73.97
Heat Transfer Fluid	150 mL/btl	BO	222-3237	\$33.84
Heat transfer fluid filter	1 ea	EA	222-3238	\$27.47
Probe wipers for 4C3	100 ea/bag	BG	222-3996	\$82.77
Thermal printer paper	5 rl/pk	PK	222-3405	\$57.67

Advanced® Cryoscope Parts

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
3D3700	4250/4D3 Sample probe	1/pk	EA	222-3235	\$682.78
4D3340	Block probe	1/ea	EA	222-3340	\$497.83
3D3185	Operator/Supervisor keys	2/pk	PK	222-3239	\$20.49
3LH230R	Yoke	1/pk	EA	222-3252	\$57.98
4C2243	4C3 Stir freeze wires	2/pk	PK	222-3243	\$38.28
4D3312	4250/4D3 Ejector spring	1/pk	EA	222-3253	\$11.79
4D3705	One-Way check valve	1/pk	EA	222-3251	\$22.59
4LH243	4250/4D3 Stir freeze wires	2 ea/set	ST	222-3242	\$61.97

Cryoscope Repair Service:

We service cryoscopes. Contact our repair department at 800/826-8302 for repairs on advanced brand cryoscopes. Loaners are available.

Page and Pedersen® Cryoscope Standards and Supplies

Page & Pedersen provides Cryoscope calibration and control standards (408 m°C/422 m°H, 600 m°C/621 m°H and 512 m°C/530 m°H). Cryoscope standards are accurate to ± 1.5 m°C. Shelf life is 12 months from manufacture. Certificates of conformance are available for each batch (traceable to ISO 5765). Glass sample tubes and Heat Transfer/Cooling Fluid are also available. Suitable for all freezing-point cryoscopes. Quality products at budget prices.

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
101-422	422 Calibration Standard	125 mL	EA	785-3118	\$12.00
101-423	422 Calibration Standard	125 mL/ea, 4/bx	BX	785-3119	\$44.00
101-424	422 Calibration Standard	125 mL/ea, 30/ca	CA	785-3120	\$340.00
101-530	530 Calibration Control	125 mL	EA	785-3121	\$12.00
101-531	530 Calibration Control	125 mL/ea, 4/bx	BX	785-3122	\$44.00
101-532	530 Calibration Control	125 mL/ea, 30/ca	CA	785-3123	\$340.00
101-621	621 Calibration Standard	125 mL	EA	785-3124	\$12.00
101-622	621 Calibration Standard	125 mL/ea, 4/bx	BX	785-3125	\$44.00
101-623	621 Calibration Standard	125 mL/ea, 30/ca	CA	785-3126	\$340.00
101-900	CryoCool™ Bath Liquid (Green)	500 mL	EA	785-3127	\$21.00
101-901	CryoCool™ Bath Liquid (Green)	500 mL/ea, 30/ca	CA	785-3128	\$599.00
101-910	CryoCool™ Bath Liquid (Blue)	160 mL	EA	785-3129	\$11.00
101-911	CryoCool™ Bath Liquid (Blue)	160 mL/ea, 35/ca	CA	785-3130	\$520.00
108-112	Glass Cryoscope Sample Tubes	2.5 mL Tubes, 12/bx	BX	785-3131	\$60.00

Call Customer Service at 800-826-8302

MULTI-COMPONENT TESTING, SUPPLIES & PARTS

LactiCheck™-01 RapiRead™ Milk Analyzer

Providing a complete milk composition profile in just 40 seconds, this user friendly, affordable and automated system assays fat, solids, density, added water, lactose and protein composition at the push of a button. Designed to test both unprocessed and processed cow, sheep, goat and buffalo milk products. The LactiCheck LC-01 RR milk analyzer is based upon the latest advances in ultrasound spectrometric technology. All results can be sent directly to a computer using the LactiLog™ Recording System, facilitating transparency of data.



Ideal for on-farm and process environments. Results can be used in conjunction with other classical methods of milk composition analysis on the farm and in the lab to consistently analyze milk throughout the supply chain. The LC-01 RapiRead is shipped complete with: LactiCal™ Controls, Sample Cups, Cleaning Solvent Concentrate, Cleaning Sheet (Laminated) and Manual Pump, Power Cord, and User's Manual.

- Fat calibrated to fixed range (within +/- 1.0% fat): 0.3 - 9% ($\pm 0.06\%$) 9 - 14% ($\pm 0.08\%$).
- Solids Not Fat (SNF): 6-12% ($\pm 0.1\%$).
- Density: 1.0260-1.0330 g/cm³ (± 0.0005 g/cm³).
- Protein calibrated to fixed range (within +/- 1.0% protein): 2 - 5% ($\pm 0.1\%$).
- Added water in milk: 2 - 60% ($\pm 2\%$).
- Lactose: 3 - 7% ($\pm 2\%$).

Mfg Part #	Wt	Unit	Stock#	PRICE
LC-01RR	17	EA	785-3001	\$4,027.20

LactiCheck™-02 RapiRead Milk Analyzer

This user friendly, affordable and automated system assays fat, solids, density, added water, lactose and protein composition at the push of a button, providing a complete milk composition profile in just 40 seconds. The LactiCheck LC-02 RR milk analyzer is based upon the latest advances in ultrasound spectrometric technology. All results can be sent directly to a computer using the LactiLog™ Recording System, facilitating transparency of data.



Ideal for process environments, LactiCheck results can be used in conjunction with other classical methods of milk composition analysis on the farm and in the lab to consistently analyze milk throughout the supply chain. The LC-02 RapiRead™ is shipped complete with: LactiCal™ Controls, Sample Cups, Cleaning Solvent Concentrate, Cleaning Sheet (Laminated) and Manual Pump, Power Cord, and User's Manual.

- Fat calibrated to fixed range (within +/- 1.0% fat): 0.3 - 9% ($\pm 0.06\%$) 9 - 14% ($\pm 0.08\%$).
- Solids Not Fat (SNF): 6-12% ($\pm 0.1\%$).
- Density: 1.0260-1.0330 g/cm³ (± 0.0005 g/cm³).
- Protein calibrated to fixed range (within +/- 1.0% protein): 2 - 5% ($\pm 0.1\%$).
- Added water in milk: 2 - 60% ($\pm 2\%$).
- Lactose: 3 - 7% ($\pm 2\%$).

Mfg Part #	Wt	Unit	Stock#	PRICE
LC-02RR	17	EA	785-3002	\$5,000.00

LactiLog™ Automated Recording/Reporting System Software

An efficient and straightforward solution to both data collection and reporting needs. Providing a total system to automating data transfer, LactiLog consists of self-installing software that is custom designed for the unique reporting needs of the dairy industry.

Bar code compatible, the innovative system is readily integrated with MS Excel® and most other spreadsheet programs for ease in archiving, analyzing and reporting.

- Simple "plug and play" installation. Connect the provided cable to your PC and to the LactiCheck™ - test recording begins automatically.
- Easy access, user configurable "suppliers" list for customized reporting needs.
- Barcode compatible.
- Tamper-proof data recording - integrity of data is preserved through an encrypted file format.
- User sort by "supplier" or "date".
- Simple data transfer to MS Excel® by comma delimited (.csv) file for further analysis.
- Hardware Requirements: Pentium or higher, 20 MB free space on hard-drive, RS-232 output outlet*, CD reading capabilities (built-in or auxiliary) *An RS-232 to USB converter can be provided.
- Software Requirements: Windows 98, 2000, ME, XP, Vista, Windows 7 to Windows 10.



Mfg Part #	Accommodates	Unit	Stock#	PRICE
60R005	LactiCheck Milk Analyzer(s)	EA	785-3003	\$175.00

Prices subject to change.

MULTI-COMPONENT TESTING & SUPPLIES/FLUOROPHOS TEST SYSTEM

LactiCheck™ Milk Analyzer Supplies

Ensure you protect your investment with proper cleaning and maintenance materials. Enjoy the convenience of these long-life, shelf-stable calibration controls. Optimize sample preparation with the LactiPrep™ Automated Rocker. Digitize your data capture to facilitate greater transparency, opening access to critical data info at the push of a button with the LactiLog™ Data Recording/Reporting System.

Mfg Part #	Item Description	Pkg	Unit	Stock#	PRICE
40D201	Starter Kit for LactiCheck™ Milk Analyzer	96 Sample Vials, 2 pkg Cleaning Concentrate	KT	785-3112	\$33.00
70L009	LactiCal™-1	230 mL	EA	785-3109	\$14.00
70L010	LactiCal™-2	230 mL	EA	785-3110	\$14.00
70L011	LactiCal™-3	230 mL	EA	785-3111	\$14.00
70L005	Protein Cleaning Solute Concentrate	250 mL	BO	785-3113	\$9.00
70L006	Protein Cleaning Solute Concentrate	250 mL/ea, 12/case	CA	785-3114	\$99.00
LR-01	LactiPrep™ Sample Rocker	48 Vial Capacity	EA	785-3107	\$525.00
97E015	USB to RS-232 Cable (LactiLog™ and CheeseCrafter®)		EA	785-3105	\$56.00
LP-02	LactiPrint™ LP-02		EA	785-3004	\$499.00
32D202	Thermal Paper for LactiPrint™ for LP-02	3 Rolls/bx	BX	785-3117	\$14.00
60M019	LactiCheck™ Manual Cleaning Pump		EA	785-3115	\$38.00
93E203	Fuse Kit	2 Fuses/kt	KT	785-3116	\$20.00
LT-01	LactiTote™		EA	785-3106	\$48.00
97 E 201	DC Power Cord		EA	785-3108	\$23.00

Fluorophos® Test System

Eliminate subjective measurements of pasteurization by using the Fluorophos Alkaline Phosphatase (ALP) Test System. Use with milk (refer to FDA 2400 Series Method) and with juices (ACP). The FLM200 Fluorophos Test System takes the phosphatase test to its highest level by yielding quantitative results. Also, it maximizes your production efficiency by serving as an early warning system for processing malfunctions, thereby reducing routine maintenance. Includes RS232C interface. Unit measures 12"L x 16"W x 6"H.

Note: Stock #222-3400 includes: ALP Starter Kit (100 tests), heater block, thermometer, thermal printer paper (2 rolls), and manual. Other required supplies and accessories are listed and sold separately.

Recognized in 2007 PMO as an approved test for Grade A milk.



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
FLM200	Fluorophos ALP/ACP Test System		EA	222-3400	\$5,906.25
Required Supplies and Accessories					
FLA835	Thermal printer paper	5 roll/pak	PK	222-3405	\$57.67
FLA802	20 Sample incubator, 115V		EA	222-3410	\$1,419.53
FLA810	Incubator thermometer		EA	222-3411	\$77.67
FLA865	25 µL Pipet		EA	222-3412	\$339.88
FLA885	75 µL Pipet		EA	222-3413	\$335.88
FLA880	25-75 µL Pipet tips	100/bag	BG	222-3414	\$105.96
FLA020	Fluorophos cuvettes, disposable	250/pk	PK	222-3020	\$117.96
FLA005	Fluorophos cheese buffer		EA	222-3160	\$70.77
ACM205	2 mL Pipet tips	25/pk	PK	222-3405	\$57.67
Reagents, Controls, Calibrators					
FLA225	ALP 225-Test kit with cuvettes		KT	222-3401	\$521.82
FLA224	Substrate & buffer w/o cuvettes	2 btls/kit	KT	222-3161	\$476.84
FLA250	ALP Three calibrator set		ST	222-3402	\$149.95
FLA260	ALP Phosphacheck controls	3 mL/btl, 9 btl/pk	PK	222-3403	\$149.95
FLA280	ALP Daily instrument control	30 mL/btl, 3 btl/kit	KT	222-3404	\$149.95

Call Customer Service at 800-826-8302

PROTEIN TESTING

UDY Protein Analysis System

Accurate, Economical Protein Testing

One of the best kept secrets in dairy and food testing, the UDY System offers the premier value in protein testing. The UDY Protein Analysis System is one of the most versatile and reliable methods of rapid protein analysis available to the food industry. This proven method is suitable for a wide range of food products: fluid milk (AOAC approved), other dairy products, meat products, grains, whey, ultrafiltration products, and casein.



Two UDY units are available. The versatile Colorimeter may be calibrated in-house to test multiple parameters of over 40 products. The economical Dairy Tester can be pre-set with up to four calibrations to test for protein in products selected by the user. Both set-ups include basic accessory items, but for most testing applications additional components are needed. Each unit can be set for up to 4 applications.

Udy Dairy Tester and Colorimeter include: Instruction manual, flow through cuvet, drain bottle with tubing, power supply, and 2 bottles w/dropper cap (125 mL each).

If you're interested in protein measurement, please call 800/826-8302 for further information. Let us know the product you wish to test, the number of samples per day, and any special requirements you may have...and we'll recommend a system for you.

Mfg Part #	Description	Unit	Stock#	PRICE
5010-010	Dairy Tester	EA	395-3300	\$2,790.00
5110-010	Colorimeter	EA	695-3301	\$2,790.00
Components & Supplies				
30-0703	Buret assembly, complete	EA	695-3043	\$520.00
30-0701	Calibrated carboy, 10 L	EA	695-3041	\$184.00
30-0522	Citric acid fixative, 1 Kg (for meat applications)	EA	695-3017	\$42.00
30-0519	Cuvet cleanser powder, 250 mL/btl	EA	695-3014	\$23.00
30-0741	Dispenser, 40 mL with 4 L carboy	EA	695-3992	\$709.00
30-0708	Dispensing carboy assembly, 4 L	EA	695-3039	\$142.00
30-0700	Dispensing carboy assembly, 20 L	EA	695-3040	\$184.00
30-0520	Filter discs, 19 mm, 150/tube	TB	695-3015	\$23.00
30-0509	Milk protein check sample, 250 mL/btl	BO	695-3031	\$35.00
30-0536	Octyl alcohol, 60 mL (for meat applications)	BO	695-3020	\$26.00
30-0601	Reagent dye concentrate w/o acetic acid, 1 L/btl	BO	695-3028	\$60.00
30-0624	Reagent dye solution, 1 gal/btl, 4 gal/ca	CA	695-3035	\$169.00
30-0605	Reference dye concentrate, 50 mL/btl	BO	695-3030	\$32.00
30-0627	Reference dye solution, 1 qt/btl	BO	695-3133	\$28.00
35-0503	Sample bottle w/cap, 60 mL	EA	695-3113	\$5.00
35-0502	Sample bottle w/cap, 240 mL	EA	695-3112	\$9.00
30-0204	Shaker tray/drying rack	EA	695-3010	\$66.00
30-0705	Support assembly for 4 L carboy	EA	695-3046	\$152.00
30-0705	Support assembly for 20 L carboy	EA	695-3045	\$152.00
30-0539	Udy-pol preservative, 1 qt/btl	BO	695-3012	\$121.00
30-0537	Udy-pol preservative, 240 mL/btl	BO	695-3013	\$60.00
35-0527	Volumetric flask, 240 mL	EA	695-3527	\$185.00
35-0126	Sample bottle, 125 mL, w/solid & dripper cap	EA	695-3990	\$7.00
Replacement Parts				
30-0100	Cuvet	EA	695-3210	\$245.00
27F656	Fuses, 1 amp, 5/pack	PK	695-3175	\$5.49
30-0704	Stopcock and tubing for buret	EA	695-3042	\$289.00

Prices subject to change.

AUTOCLAVES & ACCESSORIES

Tuttnauer Economical Analog Sterilizers

Tuttnauer benchtop sterilizers provide a fast, safe, dependable, and convenient means of sterilizing liquids, media, instruments, glassware, clothing, and waste. These economical, manually operated models feature analog controls and gauges for simple operation. The self-contained design eliminates external plumbing and hardwiring for easy installation.

Product features include 60-minute cycle timer, temperature selection from 100 to 134°C (212 to 273°F) with a combination pressure and temperature gauge peak indicator. The 316 L stainless steel chamber ensures long-lasting reliability, durability and high corrosion resistance. The large capacity reservoir provides an ample water supply to avoid frequent fill-ups and the water drain is conveniently located on top to allow for quick and easy cleaning of the reservoir. One-year warranty.



Chamber Volume	Chamber Dimensions	# of SS Trays	Voltage	Wt	Unit	Stock#	PRICE
19L	9"dia x 18"deep	3	120V	80	EA	329-3001	\$5,063.50
23L	10"dia x 18"deep	4	120V	110	EA	329-3002	\$5,863.00
34.4L	12.2"dia x 18.5"deep	2	220V	156	EA	329-3003	\$9,152.00
84L	15"dia x 27"deep	2	220V	225	EA	329-3004	\$17,222.40

Tuttnauer Electronic Sterilizers

Tuttnauer benchtop sterilizers provide a fast, safe, dependable, and convenient means of sterilizing liquids, media, instruments, glassware, clothing, and waste. Every stage of the cycle, including water-fill, heating, sterilization, exhaust and drying, is microprocessor-controlled and completely automatic with these electronic models.

The digital display continuously shows you temperature, pressure and running time. Four fully adjustable, single-button programs make these sterilizers easy to use and ensure reproducible runs. The hand battery backup ensures that all parameter setting and controls are retained in the event of a power failure. The self-contained design eliminates external plumbing and hardwiring for easy installation.

Product features sterilization time to 59 minutes, temperature selection from 105 to 137°C (221 to 279°F), in-line particle filter to protect valves, electronic pressure and temperature sensors, low-water alarm sounds when reservoir needs to be refilled, standby heating keeps chamber warm for quicker cycles. The 316 L stainless steel chamber ensures long-lasting reliability, durability and high-corrosion resistance. The large-capacity reservoir provides an ample water supply to avoid frequent fill-ups and the water drain is conveniently located on top to allow for quick and easy cleaning of the reservoir. One-year warranty.



Chamber Volume	Chamber Dimensions	# of SS Trays	Voltage	Wt	Unit	Stock#	PRICE
19L	9"dia x 18"deep	3	120V	80	EA	329-3011	\$6,275.10
23L	10"dia x 18"deep	4	120V	106	EA	329-3012	\$6,966.70
34.4L	12.2"dia x 18.5"deep	2	220V	154	EA	329-3013	\$9,811.10
84L	15"dia x 27"deep	2	220V	225	EA	329-3014	\$19,873.10

About our Repair Service

Nelson-Jameson offers repairs on dozens of parts and equipment you use every day! The savings when repairing process control, electronic and other equipment over purchasing new is substantial. Call for information and availability.

Check out our list of repairable items below and call us for an estimate:

PROCESS CONTROL

Valves & Pumps
Valve Stems
Impellers
Check Balls
Thermometers
Vacuum & Pressure Gauges
Homogenizer Gauges
Tri-Clover Parts
Recorders
Controllers
Stainless Products
Pasteurizer Plates
Process pH Probes
Transducers

SELECT ELECTRONICS

pH Meters
Cryoscopes
Chloride Analyzers
Time Clocks
Balances
Conductivity Meters
Hot Plates
Digital Thermometers
Moisture Balances
Vacuum Ovens
Air Samplers
Immersion Heaters/Circulators

OTHER EQUIPMENT

Curd Knives
Sam Gray Gold Electrodes
Hose Assemblies
Syringes
Pipettors
Refractometers
Weight Recertification
Thermometer Recertification

***If you have a repair need,
but do not see it listed,
please call us and we may
be able to help!***

Call Customer Service at 800-826-8302

AUTOClaves & ACCESSORIES**Tuttnauer Electronic Sterilizers with Built-in Printer**

Tuttnauer benchtop sterilizers provide a fast, safe, dependable, and convenient means of sterilizing liquids, media, instruments, glassware, clothing, and waste. Every stage of the cycle, including water-fill, heating, sterilization, exhaust and drying, are microprocessor-controlled and completely automatic with these electronic models.

EP models help you meet GLP documentation requirements. These sterilizers have a built-in printer that provides a printed summary at the end of each cycle, documenting temperature, elapsed drying and sterilization times, selected cycle, cycle number, real time and date, as well as any errors or interruptions that may have occurred during the cycle. The digital display continuously shows you temperature, pressure and running time. Four fully adjustable, single-button programs make these sterilizers easy to use and ensure reproducible runs. The hand battery backup ensures that all parameter setting and controls are retained in the event of a power failure. The self-contained design eliminates external plumbing and hardwiring for easy installation.

Product features sterilization time to 59 minutes, temperature selection from 105 to 137°C (221 to 279°F), in-line particle filter to protect valves, electronic pressure and temperature sensors, low-water alarm sounds when reservoir needs to be refilled, standby heating keeps chamber warm for quicker cycles. The 316 L stainless steel chamber ensures long-lasting reliability, durability and high-corrosion resistance. The large-capacity reservoir provides an ample water supply to avoid frequent fill-ups and the water drain is conveniently located on top to allow for quick and easy cleaning of the reservoir. One-year warranty.



Chamber Volume	Chamber Dimensions	# of SS Trays	Voltage	Description	Wt	Unit	Stock#	PRICE
19L	9"dia x 18" deep	3	120V		80	EA	329-3021	\$6,789.90
23L	10"dia x 18"deep	4	120V		120	EA	329-3022	\$7,485.40
34.4L	12.2"dia x 18.5"deep	2	220V		156	EA	090-3559	\$10,372.70
84L	15"dia x 27"deep	2	220V		238	EA	329-3024	\$19,991.40
				Printer Paper, 5 rolls/pk	.63	PK	090-3220	\$56.00

Tuttnauer Sterilizer Door Gaskets

Door gaskets for Tuttnauer Sterilizers.

Mfg Part #	Door Gasket for	Unit	Stock#	PRICE
023213206	Tuttnauer 2340 models	EA	329-3101	\$132.00
023213257	Tuttnauer 2540 models	EA	329-3102	\$136.00
023212986	Tuttnauer 3545 models	EA	329-3103	\$176.00
023213273	Tuttnauer 3850 & 3870 models	EA	329-3104	\$250.67

**Sterilmatic® Electric Sterilizers**

Developed to meet the need for a compact, automatic, low-cost steam pressure sterilizer. Features include front-mounted controls with 60-minute timer, fast preheat (achieves sterilizing temperature in 8 to 10 minutes from cold start), automatic door lock, low-water cut off, polished stainless steel exterior. 3 cu.ft., 208/240V single or three phase. Chamber size: 16" diameter x 26" deep. Fixed temperature model heats to 121°C. Adjustable lab model heats from 110°C to 121°C. Order perforated tray and stand separately. (Ask us about an optional exhaust condenser that can be used to condense steam when unit cannot be connected to an outside vent.)

Mfg. Part #	Description	Wt	Unit	Stock#	PRICE
STME	Sterilmatic, fixed temp	150	EA	156-3460	\$12,144.00
STME-L	Sterilmatic, lab model adjustable temp	150	EA	156-3461	\$12,495.00
Parts					
10-2666	Door gasket	.26	EA	268-3017	\$49.98
10-9268	Temperature gauge	.57	EA	268-3268	\$198.13
91-2718	Door lift springs, left and right	.08	PR	268-3718	\$41.33

Prices subject to change.

AUTOCLAVES & ACCESSORIES

Economy ALL-AMERICAN® Sterilizers



The electric ALL-AMERICAN Sterilizer is a complete, self-contained unit with an immersion heating element, automatic thermostatic control, automatic release valve, and pilot light. It connects to any outlet, is ready to use instantly and ensures complete, efficient sterilization. Unit includes an aluminum inner container with rack. 120V. Made in USA. One-year warranty.

Mfg Part #	Gross Capacity	Element Wattage	Inside Dimensions	Inner Container Dimensions	Wt	Unit	Stock#	PRICE
25X-120V	25-qt	1050 Watts	12¼"H x 12⅝"D	8½"H x 11⅞"D	32.185	EA	017-3010	\$608.40
50X-120V	25-qt	1650 Watts	12¼"H x 12⅝"D	8½"H x 11⅞"D	34	EA	017-3015	\$726.21
75X-120V	41-qt	1650 Watts	14¼"H x 15¼"D	10¼"H x 14"D	52	EA	017-3020	\$919.58

3M™ Attest™ Biological Indicator

Biological indicators (BI) provide the best assurance of sterility by challenging the sterilizer with quantifiable, highly resistant spores. Biological indicators are used for load control monitoring which is the process by which a load is monitored and released based on the result of a biological indicator in a test pack.

The self-contained BI for 121°C (250°F) gravity air displacement steam cycles consist of a *Bacillus stearothermophilus* spore strip; sealed glass ampule with growth medium and a bromocresol purple pH indicator system; brown color-coded cap with holes for sterilant penetration and a hydrophobic filter as a bacterial barrier, and a chemical indicator on the label that changes from rose to brown when processed. After sterilization, the vial is "crushed" to add the growth media to the processed spore strip. The BI is incubated for 48 hours for a visual change readout. A color change to yellow indicates surviving spores and a positive result.

3M



Description	Pkg	Unit	Stock#	PRICE
Biological indicator	100/ca	CA	460-3262	\$268.66
Incubator - operates at 56C-120V	--	EA	460-3263	\$150.49

RAVEN Culture Test

Test efficiency of steam, dry heat, or gas sterilization procedures with one convenient spore strip. Available as spore strips without media tubes or as a complete test kit. Kit and spore strips contain *Bacillus stearothermophilus* and *Bacillus subtilis* var. niger spores. After sterilization, the strips are removed from their glassine envelopes and placed in the sterile tubes containing 5 mL of modified soybean casein broth media. The media turns from red to yellow if growth occurs, indicating a positive result.



Description	Pkg	Unit	Stock#	PRICE
Complete kit	25/bx	BX	458-3005	\$141.65
Spore strips only	3/env, 25 env/pk	PK	458-3000	\$118.41

Harvey B/T Sure Biological Indicators

Easily monitor the effectiveness of your steam sterilizer by verifying the sterility of your instruments, vials, media, liquid cycles and other products in less time than it takes to send samples to an outside lab. Run a B/T Sure Biological Indicator through a standard sterilization cycle, compress the plastic vial to break the glass ampule, then incubate for 48 hours. Obvious color change from purple to yellow indicates an ineffective sterilization process. Data meets FDA criteria after 48 hours incubation.

Description	Pkg	Unit	Stock#	PRICE
Spore population Log 5	5 vials/bx	BX	662-3591	\$31.79
Spore population Log 5	100 vials/bx	BX	662-3593	\$444.00
Multi-block heater		EA	038-3061	\$372.60
Heater block, 24 well		EA	038-3071	\$37.54

Additional Autoclaves are available, please call 800-826-8302 for assistance.

Call Customer Service at 800-826-8302

AUTOClave ACCESSORIES

RAVEN Culture Test

Test efficiency of steam, dry heat, or gas sterilization procedures with one convenient spore strip. Available as spore strips without media tubes or as a complete test kit. Kit and spore strips contain *Bacillus stearothermophilus* and *Bacillus subtilis* var. *niger* spores. After sterilization, the strips are removed from their glassine envelopes and placed in the sterile tubes containing 5 mL of modified soybean casein broth media. The media turns from red to yellow if growth occurs, indicating a positive result.



Description	Pkg	Unit	Stock#	PRICE
Complete kit	25/bx	BX	458-3005	\$141.65
Spore strips only	3/env, 25 env/pkg	PK	458-3000	\$118.41

RAVEN ProSpore and ProSpore2 Biological Indicators

At last...a reliable indicator which tests your autoclave for sterilization. Get more reliable and valid test results with Raven's biological indicators. Safe and easy-to-use self-contained biological indicator consisting of *G. stearothermophilus* and bromocresol purple pH indicator. Both indicators provide results after 48 hours incubation and are FDA-approved.



- ProSpore is available in a glass ampule which is completely submersible. Can be used for all cycles.
- ProSpore2 available in a plastic tube. After sterilization process, top of tube should be sealed by depressing cap and crushing media ampule with tool provided. Does not require refrigeration. Recommended not to be used in liquid sterilization cycle.

Description	Pkg	Unit	Stock#	PRICE
ProSpore				
Log 4 Spore Population	10/pkg	PK	458-3009	\$39.49
Log 5 Spore Population	10/pkg	PK	458-3010	\$39.49
ProSpore2				
Log 5 Spore Population	50/pkg	PK	458-3021	\$146.27

Raven ProSpore Incubator



For use with ProSpore biological indicators. Removable, clear polycarbonate 12-well rack which allows full viewing of all units at a glance for ProSpore 4 mL ampules. Reaches a temperature of 55°C. 120V. UL compliant.

Unit	Stock#	PRICE
EA	458-3055	\$524.06

Clavies® Autoclavable Bags



For maximum protection and convenience when disposing of biohazard wastes, choose Clavies transparent, autoclavable bags. Made of .05mm (.22") thick polypropylene. Steam autoclavable at 121°C (250°F). Bags do not have warning label. Clear.



Size	Pkg	Unit	Stock#	PRICE
8" x 10"	100/pkg	PK	010-3200	\$42.35
8" x 12"	100/pkg	PK	010-3201	\$47.38
10" x 15"	100/pkg	PK	010-3205	\$60.18
12" x 24"	100/pkg	PK	010-3206	\$66.08
24" x 30"	100/pkg	PK	010-3207	\$152.10

Biohazard Disposal Bags & Clips



For an economical solution to biohazard waste disposal, use Bel-Art Scienceware® Biohazard Disposal Bags which can be autoclaved at 121°C or 135°C and discarded. Red bags are autoclavable at 121°C and clear bags at 135°C. The bags are .03 mm (.0012") thick and made from material which meets or exceeds the dart-impact test requirement of 165 grams per ASTM D1709-98. The sterilization patch darkens when subjected to steam sterilization. The bags are printed with the standard biohazard warning symbol and precautionary procedures in four languages: English, German, French, and Spanish.



Size	Pkg	Wt	Unit	Stock#	PRICE
Red					
8½" x 11"	100/pkg	.475	PK	010-3166	\$18.00
8½" x 11"	1000/pkg	4.76	PK	155-3016	\$160.29
Clear					
12" x 24"	100/pkg	2.85 5	PK	155-3018	\$50.13
24" x 30"	100/pkg	7.05	PK	373-3390	\$125.96
24" x 36"	100/pkg	7.05	PK	373-3391	\$135.67
Bag Clips (internal dimension of the clip is 7/8")					
--	100/bg	.12	BG	010-3190	\$16.38

Sterilization Tape

Changes from white to white with black bars after exposure to sterilization reaches 121°C. 3/4" x 60 yard roll.



Unit	Stock#	PRICE
RL	458-3300	\$5.41

Prices subject to change.

AUTOCLAVE ACCESSORIES

Biohazard Bag Holders

Economical and convenient, use these frames to hold a variety of bag sizes - just right for collecting pipette tips, microcentrifuge tubes and more. Steel wire holders are coated in durable biohazard orange epoxy. Use plastic bag clips to secure gathered top of bags.



Description	Unit	Stock#	PRICE
Holder for 8½" x 11" bag	EA	010-3363	\$22.64
Round holder for 12" x 24" bag	EA	155-3019	\$66.15
Round holder for 24" x 30" bag	EA	373-3392	\$69.39
Round holder for 24" x 36" bag	EA	373-3393	\$72.54

Self-Adhesive Waste Bags Cleanware™



Disposable, autoclavable waste bags free bench space when hung from walls, cabinets or virtually anywhere. Simply peel off the backing on the adhesive strips across the top and hang close to your work area. The back panel is longer than the front for easy opening. 1.0 mil white bags are made of high molecular weight high density polyethylene. Autoclavable at 121°C. Pass ASTM 1709 Dart Impact and ASTM 1922 Tear Resistance Test. Maximum weight should not exceed 3 lbs. 50/pack.



Size	Unit	Stock#	PRICE
8" x 10"	PK	010-3035	\$17.42
12" x 16"	PK	010-3036	\$29.25

Chamber Brite Autoclave Cleaner

Use these convenient, pre-measured packets as a fast and effective way to clean and descale steam sterilizers including the chamber, reservoir and tubing. 10 packs/box.



Unit	Stock#	PRICE
BX	090-3560	\$105.33

Autoclave Chamber Cleaner & Kit

Remove mineral deposits and organic salts with a cleaner that optimizes autoclave function and extends operating life. Chamber cleaner comes in 1 pint dispenser-topped bottles. Cleaning kit includes: 1 pint chamber cleaner, 1 pint metal polish and 6 cleaning pads.



Description	Unit	Stock#	PRICE
Chamber cleaner	EA	662-3102	\$19.65
Cleaning kit	KT	662-3301	\$59.39

Scienceware® Odo-Clave® Autoclave Deodorant Pads



Deodorant impregnated pads neutralize autoclave odors during cycle. Neat and easy to handle. Simply unwrap and place a pad in each bag prior to autoclaving. The protective cover melts during cycle, allowing deodorant to be heat activated. Pads are 1-1/4" square. 10 pads/bag. 10 bags/box.



Scent	Unit	Stock#	PRICE
Cherry	BX	010-3041	\$80.55
Clove	BX	010-3040	\$80.55
Lemon	BX	010-3043	\$80.55
Pine	BX	010-3042	\$80.55

Scienceware® Clavies® Autoclave Gloves



Soft, pliant, all-cotton terry cloth gloves are excellent for handling hot objects. Heat resistant up to 232°C (450°F), they replace hazardous asbestos gloves. Gauntlets in two lengths provide wrist and forearm protection.

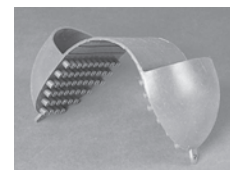


Length	Unit	Stock#	PRICE
13"	PR	010-3001	\$29.11
18.5"	PR	010-3002	\$39.64

Scienceware® Hot Hand™ Protector



Provides superior protection when handling hot or cold objects. Withstands temperatures up to 260°C and as low as -57°C. Made of silicone rubber. Thumb and fingers fit into end pockets. 3-7/8" x 7-1/2".



Unit	Stock#	PRICE
EA	010-3005	\$18.72

Autoclave Pouches

Made of paper on one side and plastic on the other. The tough plastic material prevents puncturing of pouch by instruments. The heat-sensitive bar indicates completed sterilization of items. Packaged in self-dispensing boxes for quick, easy use. 250/box.



O.D.	I.D.	Wt	Unit	Stock#	PRICE
3" x 8"	2.0" x 6.5"	3.155	BX	716-3001	\$43.13
5" x 10"	4.5" x 8.5"	6.25	BX	716-7012	\$59.34
7" x 12"	6.5" x 10.5"	10.06	BX	716-7024	\$87.14

Call Customer Service at 800-826-8302

BALANCES

A&D Orion™ Series Analytical Balances

Orion Series balances provide many remarkable features at affordable prices. These easy-to-use analytical balances are durable, adapt to your environment, and provide great flexibility and resolution. Easy to operate, features include a liquid crystal display and RS-232C bi-directional interface. Large weighing chamber holds up to a 250 mL volumetric flask. External calibration. GLP/LIMS/ISO compliant. Rechargeable battery pack option (order separately). 5-year warranty.

- Model HR-60C, HR-120C & HR-200C include manual, AC adapter and protective cover.
- Model HR-300i includes WinCT software, manual and AC adapter.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
HR-60C	60 g	0.1 mg	3.3" dia	EA	008-3006	\$1,710.74
HR-120C	120 g	0.1 mg	3.3" dia	EA	008-3120	\$2,088.06
HR-200C	210 g	0.1 mg	3.3" dia	EA	008-3320	\$2,229.55
HR-300i	320 g	0.1 mg	3.6" dia	EA	008-3330	\$3,485.82



Ohaus® Explorer® Analytical Balances

The Ohaus Explorer Analytical Balance's modular design features a color touch display that can be separated from the weighing base as well as a motorized draft shield that can be operated with use of the touchless sensors. The large touch-screen display, icon-driven application software that features 14 unique application modes and an adjustable angle display make the Explorer the most advanced balance in its class. It offers optimized linearity and repeatability specifications, enhanced vibration filtering for better balance stability, as well as AutoCal™ automatic internal calibration to improve accuracy. Built-in RS232 & USB ports. AC adapter included. All models have the option of being NIST certified, contact one of our lab specialists for details. 2-year warranty.



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
Manual Door						
EX124	120 g	0.1 mg	3.5" dia	EA	500-3361	\$3,371.95
EX224	220 g	0.1 mg	3.5" dia	EA	500-3363	\$3,829.25
EX324	320 g	0.1 mg	3.5" dia	EA	500-3365	\$4,352.00
Automatic Door						
EX124/AD	120 g	0.1 mg	3.5" dia	EA	500-3362	\$5,376.25
EX224/AD	220 g	0.1 mg	3.5" dia	EA	500-3364	\$5,822.50
EX324/AD	320 g	0.1 mg	3.5" dia	EA	500-3366	\$6,332.50

Ohaus® Adventurer® Analytical Balance

Incorporate all of the applications necessary for routine weighing and measurement activities with the Ohaus Adventurer. With a color touchscreen, GLP/GMP compliance capabilities, two USB ports, and much more, Adventurer is the most complete balance in its class. The wideviewing angle color touchscreen provides access to all of Adventurer's applications, while dual USB ports with GLP/GMP tracking capabilities assist in the monitoring and reporting of data. The two piece, top-mounted draftshield doors reduce the footprint of the doors in the rear of the balance when open, and open wide on both sides in order to provide ample room to place samples. Fast stabilization and reliable operation are enhanced by the AutoCal™ option to ensure solid weighing performance and accurate, repeatable results for standard laboratory applications. 2-year warranty.



Construction: Metal base, ABS top housing, stainless steel pan, glass draftshield with two piece top mounted side doors and sliding top door (select models), illuminated up-front level indicator, integral weigh below hook, security bracket, calibration lock, and full housing in use cover.

Communication: RS232, USB host, USB device (included). GLP/GMP data output with real time clock. AC adapter included.

Model	Capacity	Readability	Pan Size	Draft Shield	Unit	Stock#	PRICE
AX124	120 g	0.1 mg	3.5" round	Yes	EA	500-3600	\$2,550.00
AX224	220 g	0.1 mg	3.5" round	Yes	EA	500-3602	\$2,805.00
AX324	320 g	0.1 mg	3.5" round	Yes	EA	500-3604	\$3,060.00

Prices subject to change.

A&D Galaxy™ Series Compact Analytical Balances

The A&D Galaxy Series of balances are entry-level compact analytical balances with shatterproof, anti-static draft shields. The rotary doors give Galaxy balances the smallest footprint in an A&D analytical balance with 0.1 mg readability. Features a reverse back-lit display, underhook capability, RS-232C, and WinCT software. The HR-A models have external calibration and the HR-AZ models have internal calibration. GLP/LIMS/GCP/ISO compliant. 5-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
HR-100A	102 g	0.1 mg	3.6" dia	EA	008-3150	\$1,505.80
HR-150A	152 g	0.1 mg	3.6" dia	EA	008-3151	\$1,597.55
HR-250A	252 g	0.1 mg	3.6" dia	EA	008-3152	\$1,736.47
HR-100AZ	102 g	0.1 mg	3.6" dia	EA	008-3153	\$1,863.39
HR-150AZ	152 g	0.1 mg	3.6" dia	EA	008-3154	\$1,954.28
HR-250AZ	252 g	0.1 mg	3.6" dia	EA	008-3155	\$2,128.36



METTLER TOLEDO Excellence XSE Analytical Balances

Exceptional weighing performance, quality assurance and excellent ergonomics, make the Excellence XSE Analytical Balances the perfect workhorse solutions for a multitude of workplaces. The innovative StatusLight™ takes the worry out of weighing. The clearly visible green light lets you know when it's safe to start - all tests are up-to-date and the balance is level and functioning correctly. Also features an improved SmartGrid weighing pan, unique ErgoClips and new static elimination technology. With a wide range of accessories available and multiple connectivity options, XSE balances open up a world of opportunities for different weighing applications. All models have a built-in RS232 interface.

Model	Capacity	Readability	Unit	Stock#	PRICE
XSE104	120 g	0.1 mg	EA	340-3120	\$5,600.65
XSE204	220 g	0.1 mg	EA	340-3121	\$6,545.00



METTLER TOLEDO

METTLER TOLEDO NewClassic ML-T Balances

With a high-performance weighing cell, integrated security features and user guidance, ML-T balances give you confidence in your results. The 4.5" color touchscreen is operable through cotton, silicone and latex gloves. An intuitive user interface and large digits bring comfort to your daily tasks. The built-in LevelControl function issues a warning when the balance is not level and provides onscreen guidance to help you level the balance correctly within seconds. The MinWeigh function allows the weight value to remain red until the net sample is above the pre-programmed minimum value. A user-defined minimum weight can also be programmed into the balance to provide an additional safety factor. Models with readability of 0.1-1 mg include draft shield. Unlimited connectivity thanks to USB Host, USB Device, RS232 and optional Bluetooth. The built-in PC Direct function allows for easy data transfer without additional PC software.

MT Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
Analytical Balances						
ML54T	52 g	0.1 mg	90 mm	EA	340-3921	\$3,610.00
ML104T	120 g	0.1 mg	90 mm	EA	340-3922	\$3,950.00
ML204T	220 g	0.1 mg	90 mm	EA	340-3923	\$4,505.00
ML304T	320 g	0.1 mg	90 mm	EA	340-3924	\$5,120.00
Precision Balances						
ML203T	220 g	1.0 mg	120 mm	EA	340-3925	\$2,570.00
ML303T	320 g	1.0 mg	120 mm	EA	340-3926	\$2,700.00
ML503T	520 g	1.0 mg	120 mm	EA	340-3927	\$3,510.00
ML802T	820 g	0.01 g	170 x 190 mm	EA	340-3928	\$2,160.00
ML1602T	1620 g	0.01 g	171 x 190 mm	EA	340-3929	\$2,430.00
ML3002T	3200 g	0.01 g	172 x 190 mm	EA	340-3930	\$2,850.00
ML4002T	4200 g	0.01 g	173 x 190 mm	EA	340-3932	\$3,010.00
ML6002T	6200 g	0.01 g	174 x 190 mm	EA	340-3931	\$3,510.00
ML3001T	3200 g	0.1 g	175 x 190 mm	EA	340-3933	\$2,360.00
ML6001T	6200 g	0.1 g	176 x 190 mm	EA	340-3934	\$2,620.00



METTLER TOLEDO

Call Customer Service at 800-826-8302

BALANCES

Ohaus® Adventurer® Precision Balances

Incorporate all of the applications necessary for routine weighing and measurement activities with the Ohaus Adventurer. With a color touchscreen, GLP/GMP compliance capabilities, two USB ports, and much more, Adventurer is the most complete balance in its class. The wide-viewing angle color touchscreen provides access to all of Adventurer's applications, while dual USB ports with GLP/GMP tracking capabilities assist in the monitoring and reporting of data. The two piece, top-mounted draftshield doors reduce the footprint of the doors in the rear of the balance when open, and open wide on both sides in order to provide ample room to place samples. Fast stabilization and reliable operation are enhanced by the AutoCal™ option to ensure solid weighing performance and accurate, repeatable results for standard laboratory applications. 2-year warranty.

Construction: Metal base, ABS top housing, stainless steel pan, glass draftshield with two piece top mounted side doors and sliding top door (select models), illuminated up-front level indicator, integral weigh below hook, security bracket, calibration lock, and full housing in use cover.

Communication: RS232, USB host, USB device (included). GLP/GMP data output with real time clock. AC adapter included.



Model	Capacity	Readability	Pan Size	Draft Shield	Unit	Stock#	PRICE
AX223	220 g	1 mg	5.1" round	Yes	EA	500-3630	\$1,445.00
AX423	420 g	1 mg	5.1" round	Yes	EA	500-3631	\$1,700.00
AX523	520 g	1 mg	5.1" round	Yes	EA	500-3632	\$1,955.00
AX1502	1520 g	0.01 g	7.7" x 6.9"	No	EA	500-3634	\$1,445.00
AX2202	2200 g	0.01 g	7.7" x 6.9"	No	EA	500-3635	\$1,615.00
AX4202	4200 g	0.01 g	7.7" x 6.9"	No	EA	500-3636	\$1,870.00
AX5202	5200 g	0.01 g	7.7" x 6.9"	No	EA	500-3637	\$2,040.00

A&D Weighing Static Eliminator

A DC power-operated device which incorporates a high-voltage power source and eliminates static electricity from charged objects without the need of an external high-voltage power source.



A&D Weighing Balance Slab

Made of natural cut Kasota stone quarried in Southern Minnesota. This stone has the density and vibration damping properties for most applications.

Model	Dimensions	Wt	Unit	Stock#	PRICE
BT-3136	20" x 15" x 3"	102	EA	008-3802	\$545.00

Model	Unit	Stock#	PRICE
AD-1683	EA	008-3801	\$1,137.44

Ohaus® Pioneer® Precision Balances

Designed for basic routine weighing in a variety of laboratory, industrial, and education applications. With the right combination of performance and features, the Ohaus Pioneer offers uncomplicated performance for all your basic weighing needs. The up front level indicator is located right next to the display and allows the user to quickly make sure the balance is level prior to each use. Pioneer is designed with selectable environmental settings and three filter modes in order to ensure accurate operation in a variety of settings. AC adapter and RS232 communication included. 2-year warranty.

Construction: Metal base, ABS housing, stainless steel pan, glass draftshield with sliding top door (select models), up front level indicator, integral weigh below hook, security bracket, calibration lock, full housing in use cover.



Model	Capacity	Readability	Pan Size	Draft Shield	Unit	Stock#	PRICE
PA163	160 g	1 mg	4.7" round	Yes	EA	500-3560	\$834.70
PA323	320 g	1 mg	4.7" round	Yes	EA	500-3561	\$974.10
PA523	520 g	1 mg	4.7" round	Yes	EA	500-3562	\$1,160.25
PA1602	1600 g	0.01 g	7" round	No	EA	500-3563	\$750.55
PA2202	2200 g	0.01 g	7" round	No	EA	500-3564	\$881.45
PA3202	3200 g	0.01 g	7" round	No	EA	500-3565	\$1,067.60
PA4202	4200 g	0.01 g	7" round	No	EA	500-3566	\$1,206.15

Prices subject to change.

A&D FX-i Series Toploader Balances

Eliminate the concern of damaging expensive lab equipment from product spills by using the world's first waterproof and dustproof 1 milligram (0.001 g) resolution balance. This balance from A&D has a miniaturized Super Hybrid Sensor (SHS) to achieve high precision while maintaining superior weighing functions. FX-iWP models are IP65-rated water/dustproof. Features include 1-second stabilization, shock absorber function to protect from overloads, multiple weighing & counting units, comparator & percent modes, Statistical Calculation Function (SCF), standard RS-232C. One milligram models include small breeze break (3.4" high). Optional accessories include: USB port, ethernet interface, WinCT-Plus software, large breeze break (7.9" high). GLP/GMP/GCP/ISO-compliant. 5-year warranty.



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
Water/Dustproof Models						
FX-120iWP	122 g	1.0 mg	5"	EA	008-3501	\$1,234.82
FX-200iWP	220 g	1.0 mg	5"	EA	008-3502	\$1,301.71
FX-300iWP	320 g	1.0 mg	5"	EA	008-3503	\$1,390.04
FX-1200iWP	1220 g	0.01 g	6"	EA	008-3504	\$1,230.54
FX-2000iWP	2200 g	0.01 g	6"	EA	008-3505	\$1,301.71
FX-3000iWP	3200 g	0.01 g	6"	EA	008-3506	\$1,385.75
Standard Models						
FX-120i	122 g	1.0 mg	5"	EA	008-3507	\$840.37
FX-200i	220 g	1.0 mg	5"	EA	008-3508	\$883.24
FX-300i	320 g	1.0 mg	5"	EA	008-3509	\$908.97
FX-1200i	1220 g	0.01 g	6"	EA	008-3510	\$840.37
FX-2000i	2200 g	0.01 g	6"	EA	008-3511	\$883.24
FX-3000i	3200 g	0.01 g	6"	EA	008-3512	\$908.97

Ohaus® Scout® Portable Balances

For precision comparable to larger, more expensive models, choose from these affordable Scout balances. Always prepared, these compact balances are as functional in the laboratory as in the field. Built to stringent Ohaus Standards, the rugged Scout is backed by a 2-year warranty on labor and parts. Ideal for laboratory and industrial applications, the Ohaus Scout comes in a slim, stackable design with large backlit LCD Screen. Features include superior overload protection, multiple weighing units and application modes. Geared for high performance in your facility with fast stabilization time and high resolution weighing results, these portable balances set a new standard in laboratory and industrial weighing. These new updated Scout models are also available with a large backlit LCD Screen or a large backlit LCD touchscreen. AC adaptor included, or use 4 AA batteries (not included).



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
SPX2202	2200 g	0.01 g	6.7" x 5.5"	EA	501-3406	\$739.64
SPX421	420 g	0.1 g	4.7" Round	EA	501-3407	\$193.52
SPX621	620 g	0.1 g	6.7" x 5.5"	EA	501-3408	\$286.18
SPX2201	2200 g	0.1 g	6.7" x 5.5"	EA	501-3409	\$361.62
SPX6201	6200 g	0.1 g	6.7" x 5.5"	EA	501-3410	\$596.96
SPX8200	8200 g	1 g	6.7" x 5.5"	EA	501-3411	\$300.12
Full Color Touch Screen						
STX123	120 g	0.001 g	3.7" Round	EA	501-3412	\$536.28
STX223	220 g	0.001 g	3.7" Round	EA	501-3413	\$600.24
STX222	220 g	0.01 g	4.7" Round	EA	501-3414	\$392.78
STX422	420 g	0.01 g	4.7" Round	EA	501-3415	\$551.04
STX622	620 g	0.01 g	4.7" Round	EA	501-3416	\$644.52
STX1202	1200 g	0.01 g	6.7" x 5.5"	EA	501-3417	\$736.36
STX2202	2200 g	0.01 g	6.7" x 5.5"	EA	501-3418	\$828.20
STX421	420 g	0.1 g	4.7" Round	EA	501-3419	\$222.22
STX621	620 g	0.1 g	6.7" x 5.5"	EA	501-3420	\$328.82
STX2201	2200 g	0.1 g	6.7" x 5.5"	EA	501-3421	\$415.74
STX6201	6200 g	0.1 g	6.7" x 5.5"	EA	501-3422	\$668.30
STX8200	8200 g	1 g	6.7" x 5.5"	EA	501-3423	\$345.22
Accessories						
RS232	RS232 Interface w/cable			EA	500-3232	\$108.00

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
Backlit LCD Screen						
SPX123	120 g	0.001 g	3.7" Round	EA	501-3400	\$478.88
SPX223	220 g	0.001 g	3.7" Round	EA	501-3401	\$536.28
SPX222	220 g	0.01 g	4.7" Round	EA	501-3402	\$350.96
SPX422	420 g	0.01 g	4.7" Round	EA	501-3403	\$492.00
SPX622	620 g	0.01 g	4.7" Round	EA	501-3404	\$575.64
SPX1202	1200 g	0.01 g	6.7" x 5.5"	EA	501-3405	\$657.64

Call Customer Service at 800-826-8302

BALANCES**Ohaus® Navigator® NV Portable Balances**

The Navigator NV features touchless sensors that provide hands-free operation, a large LCD display, ultra-fast response time, and superior overload protection. With maximum capacities up to 5 kg, Navigator NV offers the best-in-class combination of features, versatility and performance that fit a wide range of industrial, food, and laboratory weighing applications. 1-year warranty.

Construction features: ABS housing, stainless steel pan, illuminated up front level indicator, auto shut off, integral weigh below hook and shipping lock, security bracket, calibration lock, two touchless sensors.

Operation: AC adapter included or 4 AA batteries (not included).

Weighing modes: gram, kilogram, pound, ounce, pound:ounce, troy ounce, and pennyweight.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
NV212	210 g	0.01 g	4.7" round	EA	500-3330	\$277.10
NV511	510 g	0.1 g	5.4" x 7.5"	EA	500-3331	\$189.55
NV1101	1100 g	0.1 g	5.4" x 7.5"	EA	500-3332	\$245.65
NV2101	2100 g	0.1 g	5.4" x 7.5"	EA	500-3334	\$319.60
NV4101	4100 g	0.2 g	5.4" x 7.5"	EA	500-3335	\$351.90
NV5101	5100 g	0.5 g	5.4" x 7.5"	EA	500-3336	\$387.60

Ohaus® Navigator® XL Portable Balances

The Navigator XL has a winning combination of modern features, including touchless sensors that provide hands-free operation, a large LCD display, ultra-fast response time, optional rechargeable battery, a large weighing pan and superior overload protection. With maximum capacities up to 20kg, Navigator XL offers the best-in-class combination of features, versatility and performance that fit a wide range of industrial, food and laboratory weighing applications. 1-year warranty.

Construction features: ABS housing, stainless steel pan, illuminated up front level indicator, auto shut off, integral weigh below hook and shipping lock, security bracket, calibration lock, two touchless sensors.

Operation: AC adapter included or Internal Rechargeable Battery (optional) or 4 C batteries (not included).

Weighing modes: gram, kilogram, pound, ounce, pound:ounce, troy ounce, and pennyweight.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
NVL511/1	510 g	0.1 g	7.6" x 8"	EA	500-3319	\$446.25
NVL1101/1	1110 g	0.1 g	7.6" x 8"	EA	500-3320	\$487.05
NVL2101/1	2100 g	0.1 g	7.6" x 8"	EA	500-3321	\$558.90
NVL5101/1	5100 g	0.5 g	7.6" x 8"	EA	500-3323	\$508.30
NVL10000/1	10000 g	1 g	7.6" x 8"	EA	500-3324	\$568.65
NVL20000/1	20000 g	1 g	7.6" x 8"	EA	500-3325	\$568.65

Prices subject to change.

A&D Newton™ Series Compact Balances

The EJ Newton Series Precision Balance stands out from the crowd with design and performance features you have come to expect from A&D. Easy-to-read LCD display with amber backlight allows viewing in bright sunlight or dimly lit areas. Fast - one second response time. Equipped with multiple units of measure including grams, ounces, pounds and with weighing modes that include percentage, counting and specific gravity functions. Check-weighing capability. AC adapter included or can be battery powered (4 x AA not included) for convenient field applications. Options include RS-232 or USB interface, underhook for high capacity models, breeze break, carry case, and density determination kit. 5-year warranty.

Model	Capacity	Readability	Unit	Stock#	PRICE
4.3" Round Pan Size					
EJ-120	120 g	0.01 g	EA	008-3700	\$242.76
EJ-200	210 g	0.01 g	EA	008-3710	\$269.73
EJ-300	310 g	0.01 g	EA	008-3720	\$332.67
EJ-410	410 g	0.01 g	EA	008-3730	\$377.62
EJ-610	610 g	0.01 g	EA	008-3740	\$467.53
5" x 5.5" Pan Size					
EJ-1500	1500 g	0.1 g	EA	008-3750	\$238.26
EJ-2000	2100 g	0.1 g	EA	008-3760	\$287.71
EJ-3000	3100 g	0.1 g	EA	008-3770	\$346.15
EJ-4100	4100 g	0.1 g	EA	008-3780	\$400.10
EJ-6100	6100 g	0.1 g	EA	008-3790	\$427.07

A&D Everest™ Series Compact Balances

For years, these compact, low-profile EK models have been a popular choice for a variety of food lab applications. New electronics, a wider selection of capacities & resolutions, and remote-zeroing have been incorporated into a rugged housing. All feature RS-232C. Models EK-600i, EK-1200i, EK-6000i, EK-12Ki are NTEP approved. Optional rechargeable battery is available for complete portability. 5-year warranty.



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
4.3" Round Pan Size						
EK-120i	120 g	0.01 g	4.3" Round	EA	008-3309	\$433.04
EK-200i	200 g	0.01 g	4.3" Round	EA	008-3310	\$458.78
EK-300i	300 g	0.01 g	4.3" Round	EA	008-3315	\$480.21
EK-410i	410 g	0.01 g	4.3" Round	EA	008-3410	\$535.95
EK-610i	610 g	0.01 g	4.3" Round	EA	008-3610	\$625.99
5.2" x 6.7" Pan Size						
EK-600i	600 g	0.1 g	5.2" x 6.7"	EA	008-3611	\$433.04
EK-1200i	1200 g	0.1 g	5.2" x 6.7"	EA	008-3612	\$445.90
EK-2000i	2000 g	0.1 g	5.2" x 6.7"	EA	008-3220	\$471.63
EK-3000i	3000 g	0.1 g	5.2" x 6.7"	EA	008-3230	\$501.65
EK-4100i	4000 g	0.1 g	5.2" x 6.7"	EA	008-3240	\$604.55
EK-6100i	6000 g	0.1 g	5.2" x 6.7"	EA	008-3260	\$737.47
EK-6000i	6000 g	1 g	5.2" x 6.7"	EA	008-3261	\$471.63
EK-12Ki	12000 g	1 g	5.2" x 6.7"	EA	008-3262	\$600.25
Accessories						
TB:163	Adapter			EA	008-3163	\$41.01

Call Customer Service at 800-826-8302

SCALES

A&D SW Series High Pressure Washdown Scales

Designed to withstand the most demanding process conditions. From dusty to wet environments, including food processing plants where cleanliness and sanitation are of critical importance, the SW scales are built to endure the extreme conditions of high pressure and temperature water as specified by the IP69K standard (1450 psi and 175°F). They feature streamlined construction for easy cleaning, stainless steel weighing pan, frame and load cell, rugged and adjustable indicator bracket, capacitive keys for light touch operation and bright, multicolored LED display. NSF listed, NTEP and Measurement Canada approved. AC power (included) with optional rechargeable battery, RS-232C/comparator outputs and desktop/wall-mount bracket available. 1-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
SW-6KS	13 lb/6 kg	0.001 lb/1 g	9.8" x 9.8"	EA	008-3420	\$1,598.77
SW-15KS	33 lb/15 kg	0.002 lb/2 g	9.8" x 9.8"	EA	008-3421	\$1,598.77
SW-15KM	33 lb/15 kg	0.002 lb/2 g	11.8" x 15.0"	EA	008-3422	\$1,881.18
SW-30KM	66 lb/30 kg	0.005 lb/5 g	11.8" x 15.0"	EA	008-3423	\$1,881.18
SW-60KM	130 lb/60 kg	0.01 lb/10 g	11.8" x 15.0"	EA	008-3424	\$1,975.94
SW-150KM	330 lb/150 kg	0.02 lb/20 g	11.8" x 15.0"	EA	008-3425	\$1,975.94
SW-60KL	130 lb/60 kg	0.01 lb/10 g	15.4" x 20.9"	EA	008-3426	\$2,164.52
SW-150KL	330 lb/150 kg	0.02 lb/20 g	15.4" x 20.9"	EA	008-3427	\$2,164.52



A&D SC Series Washdown Scales

Constructed with a completely sealed indicator and washdown base that meets IP68 standards. Features a stainless steel construction for easy cleaning, a supersized LCD for easy reading, easy switching between weighing units and a waterproof and corrosion resistant load cell. Operates on 6 D batteries (not included) that give you 4500 hours of continuous operation. NTEP and Measurement Canada approved. 2-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
SC-30KAM	66 lb/30 kg	0.01 lb/0.005 kg	11.8" x 15.0"	EA	008-3430	\$1,334.94
SC-60KAM	130 lb/60 kg	0.02 lb/0.01 kg	11.8" x 15.0"	EA	008-3431	\$1,362.81
SC-150KAM	330 lb/150 kg	0.05 lb/0.02 kg	11.8" x 15.0"	EA	008-3432	\$1,391.61
SC-60KAL	130 lb/60 kg	0.02 lb/0.01 kg	15.4" x 20.9"	EA	008-3433	\$1,428.77
SC-150KAL	330 lb/150 kg	0.05 lb/0.02 kg	15.4" x 20.9"	EA	008-3434	\$1,458.49



A&D HW-WP Series Stainless Steel Platform Scales

Featuring a IP65 (NEMA4) water-resistant stainless-steel packaging, these are protected from the most challenging washdown or outdoor environments. The vacuum-fluorescent display provides a bright, clear, unmistakable display even in dimly lit areas. The removable display head also tilts and rotates to adapt to a desktop or wall-mount position for optimum viewing. A comparator with color-coded LED indicators allows for fast, precise, manual checkweighing. Multiple weighing units (kg, lb, lb:oz, & oz). 2-year warranty. AC powered.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
HW-10KWP	10 kg/20 lb	0.001 kg/0.002 lb	9.8" x 9.8"	EA	008-3400	\$1,261.36
HW-60KWP	60 kg /150 lb	0.005 kg/0.01 lb	13" x 16.7"	EA	008-3401	\$1,369.47
HW-100KWP	100 kg/200 lb	0.01 kg/0.02 lb	15.4" x 20.9"	EA	008-3402	\$1,478.57
HW-200KWP	220 kg/500 lb	0.02 kg/0.05 lb	15.4" x 20.9"	EA	008-3403	\$1,478.57



Ohaus® Defender®5000 Scales

This feature-rich line of bench scales combines an ABS plastic T51P indicator with a square, painted steel base and column. High-visibility LCD display. Ideal for production, shipping, receiving, packaging, and general weighing applications. Meets requirements for NTEP, RS232 interface with GMP/GLP data output. Multiple weighing modes including counting, percent, dynamic/animal weighing, checkweighing, and display hold. Weighing units include: kg, g, lb, oz, lb:oz, and user-definable custom unit. AC powered, or runs on 6 C batteries (not included) 1-year warranty.

Model	Capacity	Readability	Platform Size	Unit	Stock#	PRICE
D51P10QR1	25 lb/10 kg	0.002 lb/0.001 kg	12" x 12"	EA	500-3613	\$1,082.05
D51P25QR1	50 lb/25 kg	0.005 lb/0.002 kg	12" x 12"	EA	500-3614	\$1,082.05
D51P50QL2	100 lb/50 kg	0.01 lb/0.005 kg	18" x 18"	EA	500-3615	\$1,202.75
D51P100QL2	250 lb/100 kg	0.02 lb/0.01 kg	18" x 18"	EA	500-3617	\$1,202.75
D51P250QX2	500 lb/250 kg	0.05 lb/0.02 kg	24" x 24"	EA	500-3618	\$1,728.05



Prices subject to change.

Ohaus® Defender® 5000 Washdown Scales

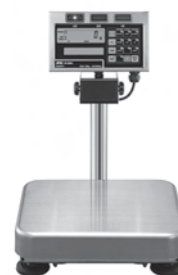
Meet the needs of demanding industrial operations with the Defender 5000 IP66 rated scale. This scale combines a stainless steel I51XW indicator with a square, all-stainless steel washdown base and column. Ideal for production, packaging, and industrial applications where full washdown protection is required. Many outstanding features set this scale apart, including safe overload protection (150% of maximum capacity), backlit LCD display, check weighing indication, built-in bi-directional RS232, selectable stability range, and selectable auto shutoff. NTEP certified, and supports GMP/GLP data output. Counting, checkweighing, percent, static, dynamic, and display hold weighing modes. Weighing units: kg, g, lb, oz, lb:oz, and custom unit. Standard AC or DC powered option. 1-year warranty.



Model	Capacity	Readability	Platform Size	Unit	Stock#	PRICE
D51XW10WR3	25 lb/10 kg	0.002 lb/0.001 kg	12" x 12"	EA	500-3610	\$1,303.90
D51XW25WR3	50 lb/25 kg	0.005 lb/0.002 kg	12" x 12"	EA	500-3607	\$1,325.15
D51XW50WL4	100 lb/50 kg	0.01 lb/0.005 kg	18" x 18"	EA	500-3608	\$2,055.30
D51XW100WL4	250 lb/100 kg	0.05 lb/0.01 kg	18" x 18"	EA	500-3609	\$2,055.30
D51XW250WX4	500 lb/250 kg	0.05 lb/0.02 kg	24" x 24"	EA	500-3611	\$2,364.70

A&D FS-i Series Checkweighing Scales

Easy to use, rugged, waterproof, stainless steel checkweighers. Features include an analog sweep LCD display, digital keypad, and setpoint memory recall for quick, accurate and reliable measuring. They are IP65 and NSF certified. AC powered but have the option to be powered by a rechargeable SLA battery. 2-year warranty.



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
FS-6Ki	15 lb/6 kg	0.001 lb/0.0005 kg	9.8" x 9.8"	EA	008-3440	\$1,060.89
FS-15Ki	35 lb/15 kg	0.002 lb/0.001 kg	9.8" x 9.8"	EA	008-3441	\$1,060.89
FS-30Ki	70 lb/30 kg	0.005 lb/0.002 kg	15" x 11.8"	EA	008-3442	\$1,249.47

Ohaus® Valor® 2000 Compact Bench Scales



Raise the bar and set a new industry standard with the winning combination of speed and durability. This water-resistant food scale offers large LED front and rear displays, and puncture resistant keypads, making it the premiere value scale for use in dry or washdown environments. The Valor 2000 has a polycarbonate keypad that can endure contact with knives or sharp instruments used daily in demanding food preparation, processing and portioning applications. Safe to use in the weighing of liquids and in wet environments, Valor 2000 is NSF Certified and has a flow-thru design that ensures the scale remains clean and operational.

- Construction features: stainless steel housing and platform, up-front level indicator.
- Operation: AC adapter (included) or rechargeable battery (included).
- Protection rating: 1PX8.

Weighing modes: gram, kilogram, pound, ounce, pound:ounce. 1-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
V22XWE1501T	3 lb/1.5 kg	0.0005 lb/0.2 g	7.5" x 9.5"	EA	500-3450	\$382.50
V22XWE3T	6 lb/3 kg	0.001 lb/0.5 g	7.5" x 9.5"	EA	500-3451	\$382.50
V22XWE6T	15 lb/6 kg	0.002 lb/1 g	7.5" x 9.5"	EA	500-3452	\$382.50
V22XWE15T	30 lb/15 kg	0.005 lb/2 g	7.5" x 9.5"	EA	500-3453	\$382.50

Call Customer Service at 800-826-8302

SCALES

Ohaus® Valor® 3000 Xtreme Precision Scales



This compact scale continues the Ohaus tradition of building high quality, durable products that are easy to use and hard to beat. The Valor 3000 Xtreme takes these Ohaus virtues to a new level by offering high precision readability, durability and ease of use, encased in a sleek and fully stainless steel compact housing. Washable models ensure that the Valor 3000 Xtreme meets the needs of even the most demanding environments. Scales are NSF C-2 listed/certified, USDA-AMS accepted for food use, supports HACCP-certified systems.

- Full stainless steel housing with added chemical resistance and removable stainless steel weighing pan.
- Advanced overload protection rated at 10x capacity for tough environments where capacity is frequently exceeded.
- User adjustable filtering and stability settings for operation in drafty and unstable conditions.
- Bright backlit LCD and simple text prompts for ease of use.

Weighing modes: lb, fractional or decimal oz, lb:oz, g, kg or fluid oz, % weighing, and specific gravity determination. AC power adaptor included, or use 4 C cell battery power (not included). 1-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
Standard Models						
V31XH202	200 g	0.01 g	4.7" round	EA	500-3312	\$581.57
V31XH2	2000 g	0.1 g	5.7 x 6.2"	EA	500-3322	\$581.57
V31X3	3000 g	1.0 g	5.7 x 6.2"	EA	500-3333	\$386.16
V31X6	6000 g	1.0 g	5.7 x 6.2"	EA	500-3316	\$386.16
Washdown Models						
V31XW301	300 g	0.1 g	5.7 x 6.2"	EA	500-3301	\$457.21
V31XW3	3000 g	0.5 g	5.7 x 6.2"	EA	500-3303	\$457.21
V31XW6	6000 g	1.0 g	5.7 x 6.2"	EA	500-3616	\$457.21

Ohaus® Valor® 4000 Compact Bench Scales



Raise the bar and set a new industry standard with the winning combination of speed and durability with this water-resistant food scale. Valor 4000 offers large LED front and rear displays and puncture resistant keypads, making it the premiere value scale for use in dry or washdown environments. With Legal for Trade certifications and a food safe design that is NSF Certified, USDA-AMS accepted and supports HACCP certified systems, Valor 4000 is ready for demanding applications. Safe to use in wet environments, Valor 4000's flow-thru design ensures the scale remains clean and operational, and its knife-resistant keypad makes the scale more durable.

- Construction features: stainless steel housing and platform, up-front level indicator, and rear touchless sensor.
- Operation: AC adapter (included) or rechargeable battery (included).
- Protection rating: IPX8.

Weighing modes: gram, kilogram, pound, ounce, pound:ounce. 1-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
V41XWE1501T	3 lb/1.5 kg	0.0005 lb/0.2 g	7.5" x 9.5"	EA	500-3460	\$424.15
V41XWE3T	6 lb/3 kg	0.001 lb/0.5 g	7.5" x 9.5"	EA	500-3461	\$424.15
V41XWE6T	15 lb/6 kg	0.002 lb/1 g	7.5" x 9.5"	EA	500-3462	\$424.15
V41XWE15T	30 lb/15 kg	0.005 lb/2 g	7.5" x 9.5"	EA	500-3463	\$424.15

Prices subject to change.

A&D SK-WP/SK-WPZ Stainless Steel Washdown Digital Scales

Ideal for harsh environment applications, such as food processing, food service, chemical, and outdoor use. All models are NSF certified, sanitary for food processing and food service applications. Temperature compensation allows for use near ovens or in refrigerated areas. The stainless steel weighing pan measures 9.1" x 7.5" and is removable for quick, easy cleaning. A portable design allows the user to work on battery power or an optional non-washdown AC adapter (#008-3307) may be ordered. 2-year warranty. WPZ series includes ounce mode. Meets NTEP Legal for Trade requirements.

Model	Capacity	Readability	Unit	Stock#	PRICE
Without Ounce Mode					
SK-1000WP	1000 g/2.2 lb	0.5 g/0.001 lb	EA	008-3200	\$327.22
SK-2000WP	2000 g/4.4 lb	1 g/0.002 lb	EA	008-3201	\$327.22
SK-5000WP	5000 g/11 lb	2 g/0.005 lb	EA	008-3202	\$327.22
SK-10KWP	10 kg/22 lb	0.005 kg/0.01 lb	EA	008-3203	\$327.22
SK-20KWP	20 kg/44 lb	0.01 kg/0.02 lb	EA	008-3204	\$327.22
With Ounce Mode					
SK-2000WPZ	2000 g/4.4 lb	1 g/0.002 lb	EA	008-3000	\$327.22
SK-5000WPZ	5000 g/11 lb	2 g/0.0005 lb	EA	008-3206	\$327.22
SK-20KWPZ	20 kg/44 lb	0.01 kg/0.02 lb	EA	008-3207	\$327.22

A&D HL-WP Washdown Compact Scales

Stainless steel and can be completely submerged in water, making it easy to clean and ideal for wet environments. Other features include large LCD display, stability indicator, tare function, and auto power off. Powered by 6 "AA" batteries (not included). IP67 rated. 008-3208 and 008-3209 are NTEP approved. Optional AC adapter available. 2-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
HL-300WP	300 g/10.58 oz	0.1 g/0.01 oz	5.0" x 5.0"	EA	008-3210	\$330.94
HL-1000WP	1000 g/2.2 lb/35.28 oz	0.5 g/0.001 lb/0.02 oz	5.0" x 5.0"	EA	008-3211	\$330.94
HL-3000WPN	3000 g/6.6 lb/105.8 oz	1 g/0.002 lb/0.1 oz	5.0" x 5.0"	EA	008-3209	\$330.94
HL-3000LWPN	3000 g/6.6 lb/105.8 oz	1 g/0.002 lb/0.1 oz	5.4" x 6.8"	EA	008-3208	\$330.94

**Looking for weigh boats, weighing papers and other accessories?
See page 38-40.**

SCALES

Ohaus® Ranger® 3000 Compact Bench Scales

The multipurpose Ranger 3000 has all of the capabilities to produce precise results rapidly for a variety of applications. With seven application modes, this is the ideal scale to meet many industrial weighing needs. Portable and equipped with a rechargeable battery, is equipped with functions and features that elevate the Ranger 3000 to a class of its own. RS232 equipped. NTEP approved. AC power or rechargeable battery (included). 2-year warranty.



Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
R31P1502	1.5 kg/3 lb	0.00005 kg/0.0001 lb	11.8" x 8.9"	EA	500-3814	\$476.10
R31P3	3 kg/ 6 lb	0.0001 kg/0.0002 lb	11.8" x 8.9"	EA	500-3815	\$476.10
R31P6	6 kg/15 lb	0.0002 kg/0.0005 lb	11.8" x 8.9"	EA	500-3816	\$476.10
R31P15	15 kg/30 lb	0.0005 kg/0.001 lb	11.8" x 8.9"	EA	500-3817	\$476.10
R31P30	30 kg/60 lb	0.001 kg/0.002 lb	11.8" x 8.9"	EA	500-3818	\$476.10



Ohaus® FD Series Food Portioning Scales

With speed, durability and cleanliness, the FD series is designed specifically for food portioning in production or food service applications. Multiple uses, fast display, high precision loadcell, and an economical design. Standard features include:

- Dishwasher safe, all stainless steel flat pan.
- Supports HACCP compliance.
- Checkweighing mode with 3 LED indicator and audible alarm.
- Spill-proof front panel.
- Multiple weighing units, including pounds, ounces, kilograms, grams, and pound:oz.
- 120-hour internal rechargeable battery or AC power.
- Legal-for-trade modes.
- Manual or auto tare.
- NTEP approved, NSF listed, USDA accepted.
- 1-year warranty.



Capacity	Readability	Platform Size	Unit	Stock#	PRICE
Scales					
3 kg/6 lb	0.0005 kg/0.001 lb	8.2" x 8.2"	EA	500-3703	\$653.57
6 kg/15 lb	0.001 kg/0.002 lb	8.2" x 8.2"	EA	500-3706	\$653.57
15 kg/30 lb	0.002 kg/0.005 lb	8.2" x 8.2"	EA	500-3715	\$653.57
Accessories					
Foot tare switch			EA	500-3704	\$119.70

A&D HT Series Compact Precision Scales



Precision and convenience at an economical price. The A&D HT Series of compact scales feature a large LCD display, multiple weighing units (g, oz, lb-oz) and a handy stackable storage case. Powered by 4 AA batteries (included) or optional AC adapter. Optional stainless steel pan also available. 2-year warranty.

Model	Capacity	Readability	Pan Size	Unit	Stock#	PRICE
HT-300	310 g	0.1 g	5.2" x 5.12"	EA	008-3340	\$127.00
HT-500	510 g	0.1 g	5.2" x 5.12"	EA	008-3341	\$148.00
HT-3000	3100 g	1 g	5.2" x 5.12"	EA	008-3342	\$127.00
HT-5000	5100 g	1 g	5.2" x 5.12"	EA	008-3343	\$148.00

Prices subject to change.

Ohaus® Compact Electronic Scales

Ideal when cost matters and dependable results are a must. These uniquely designed scales weigh in grams or pounds/ounces and include full capacity taring, an easy to read LCD, and battery-saving automatic shut-off after 5 minutes. Three models range in capacities from 200 g to 5000 g, with readabilities from 0.1 g to 2 g, and feature a large weighing pan to accommodate a variety of samples. Easy operation, long battery life, and great performance make Ohaus compact scales a truly remarkable value. Rugged plastic construction. Weighing units: g, lb:oz. Three AA alkaline batteries included or use optional AC adapter. 1-year warranty.



Model	Capacity	Readability	Platform Size	Unit	Stock#	PRICE
CS200	200 g	0.1 g	5.75" x 5.25"	EA	500-3170	\$115.60
CS2000	2000 g	1.0 g	5.75" x 5.25"	EA	500-3171	\$115.60
CS5000	5000 g	2.0 g	5.75" x 5.25"	EA	500-3172	\$136.00

Optional Accessories

Plastic scale bowl, 1050 mL	EA	500-3174	\$34.20
Stainless steel weighing pan cover	EA	500-3175	\$36.90

A&D HL-i Ninja Compact Scales

Easy to use and with affordable accuracy the HL-i Ninja series of compact scales is great for a wide range of applications. The detachable round plastic weighing pan allows for easy cleaning and maintenance. Features a large LCD display, large weighing pan (5.1" dia), auto power off function, low battery indication, overload indication, and stable indicator. Its compact size and battery operation allows for easy transportation to different workplaces. 2-year warranty. 4 AA batteries included. Optional AC adapter (#008-3243) and stainless steel pan are available.



Capacity	Readability	Readout	Unit	Stock#	PRICE
200 g	0.1 g	g, oz, ct	EA	008-3242	\$102.00
2000 g	1 g	g, oz, lb/oz	EA	008-3244	\$102.00

Value Pack for A&D HL-i Ninja Compact Scales

Value pack includes scale with stainless steel pan, AC power adapter, batteries, and carrying case.

Description	Capacity	Readability	Readout	Unit	Stock#	PRICE
Value Pack for HL-200i	200 g	0.1 g	g, oz, ct	EA	008-3245	\$138.00
Value Pack for HL-2000i	2000 g	1 g	g, oz, lb/oz	EA	008-3246	\$138.00

Balance Accessories - AC Adapter

This AC adapter fits the A&D HL compact scales and the A&D stainless steel washdown scales.

Mfg Part #	Description	Unit	Stock#	PRICE
FV-05C	110 V	EA	008-3307	\$31.02

Salter Model 235-6S Hanging Scales

Versatile, lightweight, maintenance-free scales that can be used for multiple applications. They are corrosion resistant and have high-strength stainless steel fittings. Feature a thumb wheel zero adjustment. Top and bottom hook supplied. 1-year limited warranty.



Model	Capacity	Unit	Stock#	PRICE
235-6S-11	11 lb x 1-oz	EA	562-3100	\$100.00
235-6S-22	22 lb x 2-oz	EA	562-3101	\$100.00
235-6S-55	55 lb x 4-oz	EA	562-3102	\$125.00
235-6S-110	110 lb x 8-oz	EA	562-3103	\$100.00
235-6S-220	220 lb x 1 lb	EA	562-3104	\$100.00

Call Customer Service at 800-826-8302

WEIGHING ACCESSORIES

Certification and Serialization of Weights and Weight Sets

Some labs require their weights and weight sets to be certified and serialized. When placing your order, please let us know if your facility must meet this requirement. We can also recertify/serialize your existing weights or weight sets. Custom weights and special orders are available and are non-returnable. Weights can be certified a number of different ways. Please call our lab product specialists to ensure the certification meets your requirements.

Class 1 Weight Sets

Metric

For use in calibration of lab scales. Cylindrical weights are all stainless steel, but at this level of precision, must be handled with the included forceps. Mass Value Certificate and serial numbering included with set. Plastic case is included.



- Set #562-3003 contains one each: 1 g, 5 g, 10 g, 50 g, 100 g, and two each: 2 g, 20 g.
- Set #562-3910 contains one each: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg, 500 mg, and two each: 2 mg, 20 mg, 200 mg. Meets requirements for NCIMS testing.

Description	Unit	Stock#	PRICE
1 g - 100 g	ST	562-3003	\$738.81
1 mg - 500 mg	ST	562-3910	\$761.30

Individual Class 1 Weights

Metric



For precise calibration of analytical and toploading balances. Precision laboratory stainless steel weights. Polished finish. Weights without certificate. Call for weights that require certificate.

Weight	Unit	Stock#	PRICE
1 g	EA	562-3350	\$65.10
2 g	EA	562-3351	\$74.40
3 g	EA	562-3352	\$74.40
5 g	EA	562-3353	\$83.70
10 g	EA	562-3354	\$83.70
20 g	EA	562-3355	\$83.70
30 g	EA	562-3356	\$88.35
50 g	EA	562-3357	\$93.00
100 g	EA	562-3358	\$97.65
200 g	EA	562-3359	\$134.85

Individual Class 1 Weights

Avoirdupois



Weights without certificate. Call for weights that require certificate.

Weight	Unit	Stock#	PRICE
1/4-oz	EA	562-3534	\$79.05
1/2-oz	EA	562-3535	\$93.00
1-oz	EA	562-3536	\$93.00
2-oz	EA	562-3537	\$93.00
4-oz	EA	562-3538	\$97.65
8-oz	EA	562-3539	\$102.30
1 lb	EA	562-3540	\$120.90
2 lb	EA	562-3541	\$144.15
3 lb	EA	562-3542	\$158.10
4 lb	EA	562-3543	\$176.70
5 lb	EA	562-3544	\$302.25
10 lb	EA	562-3545	\$567.30

Individual Class 1 Weights

Metric

For precise calibration of analytical balances. Stainless steel leaf-style weights in protective sleeves. Mass Value Certificate and serial number included.

Weight	Unit	Stock#	PRICE
1 mg	EA	562-3839	\$85.01
2 mg	EA	562-3840	\$85.01
3 mg	EA	562-3841	\$85.01
5 mg	EA	562-3842	\$85.01
10 mg	EA	562-3844	\$85.01
20 mg	EA	562-3845	\$85.01
30 mg	EA	562-3846	\$85.01
50 mg	EA	562-3847	\$85.01
100 mg	EA	562-3849	\$85.01
200 mg	EA	562-3850	\$85.01
300 mg	EA	562-3853	\$85.01
500 mg	EA	562-3852	\$85.01

Prices subject to change.

WEIGHING ACCESSORIES

Individual Class 1 Weights

Metric

Leaf weights ASTM Class 1 SST polished density 7.95. Weights without certificate. Call for weights that require certificate.

Weight	Unit	Stock#	PRICE
1 mg	EA	562-3331	\$55.80
2 mg	EA	562-3332	\$55.80
3 mg	EA	562-3333	\$55.80
10 mg	EA	562-3335	\$55.80
20 mg	EA	562-3336	\$55.80
30 mg	EA	562-3337	\$55.80
100 mg	EA	562-3339	\$55.80
200 mg	EA	562-3340	\$55.80

Class F Weight Set

Metric

Precision cylindrical stainless steel weights for testing and adjusting commercial and other scales. Made in stringent compliance with NIST Class F tolerances and specifications listed in NIST Handbook 105-1.

- Set #562-3010 contains one each: 1 g, 5 g, 10 g, 50 g, 100 g, and two each: 2 g, 20 g.
- Set #562-3993 set contains one each: 1 g, 5 g, 10 g, 50 g, 100 g, 500 g, 1 kg, 5 kg, and two each: 2 g, 20 g, 200 g, 2 kg.

Weights without certificate. Call for weights that require certificate.

Description	Unit	Stock#	PRICE
1 g - 100 g	ST	562-3010	\$172.05
1 g - 5 kg	ST	562-3993	\$590.55



Class F Weight Set

Decimal Avoirdupois

Set is comprised of precision cylindrical stainless steel weights. Suitable for fill and calibration checks in production areas and other testing of commercial scales.

- Set #562-3020 contains one each: .05-oz, .1-oz, .5-oz, 1-oz, 2-oz, 4-oz, 8-oz, 1 lb, 2 lb, and two each .2-oz.
- Set #562-3050 contains one each: .001 lb, .005 lb, .01 lb, .05 lb, .1 lb, .5 lb, 1 lb, 5 lb, and two each: .002 lb, .02 lb, .2 lb, 2 lb.

Weights without certificate. Call for weights that require certificate.

Description	Unit	Stock#	PRICE
0.05-oz to 2 lb	ST	562-3020	\$376.65
0.001 lb to 5 lb	ST	562-3050	\$441.75



Individual Class F Weights

Metric - Stainless Steel

Weights without certificate. Call for weights that require certificate.

Weight	Unit	Stock#	PRICE
1 g	EA	562-3401	\$27.90
2 g	EA	562-3402	\$27.90
3 g	EA	562-3403	\$27.90
5 g	EA	562-3405	\$27.90
10 g	EA	562-3411	\$32.55
20 g	EA	562-3412	\$32.55
30 g	EA	562-3413	\$32.55
50 g	EA	562-3415	\$35.34
100 g	EA	562-3410	\$39.06
200 g	EA	562-3420	\$46.50
300 g	EA	562-3430	\$55.80
400 g	EA	562-3440	\$55.80
500 g	EA	562-3450	\$60.45
1 kg	EA	562-3451	\$65.10
2 kg	EA	562-3452	\$111.60
3 kg	EA	562-3453	\$153.45
4 kg	EA	562-3454	\$172.05
5 kg	EA	562-3455	\$186.00

Individual Class F Weights

Avoirdupois - Stainless Steel

For industrial applications and high-capacity balances and scales. Choice of corrosion-resistant stainless steel or cast iron weights. Cast iron is more economical, but must be protected in wet or corrosive environments. Weights without certificate. Call for weights that require certificate.



Weight	Unit	Stock#	PRICE
1/4-oz	EA	562-3800	\$27.90
1-oz	EA	562-3801	\$32.55
2-oz	EA	562-3802	\$35.34
4-oz	EA	562-3804	\$37.20
8-oz	EA	562-3808	\$41.85
12-oz	EA	562-3812	\$46.50
1 lb	EA	562-3701	\$51.15
2 lb	EA	562-3702	\$60.45
3 lb	EA	562-3703	\$102.30
4 lb	EA	562-3704	\$106.95
5 lb	EA	562-3705	\$111.60
10 lb	EA	562-3706	\$176.70
20 lb	EA	562-3920	\$427.80
25 lb	EA	562-3925	\$465.00
30 lb	EA	562-3930	\$553.35
50 lb	EA	562-3950	\$730.05

Call Customer Service at 800-826-8302

WEIGHING ACCESSORIES

Individual Class F Weights

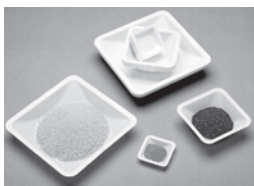
Avoirdupois - Cast Iron



Weights without certificate. Call for weights that require certificate.

Weight	Unit	Stock#	PRICE
1 lb	EA	562-3601	\$44.64
2 lb	EA	562-3602	\$48.36
5 lb	EA	562-3605	\$51.15
10 lb	EA	562-3610	\$66.96
20 lb	EA	562-3620	\$85.56
25 lb	EA	562-3625	\$106.95
50 lb	EA	562-3650	\$120.90

Weighing Boats



For use with analytical balances. Smooth, allow solids to flow freely. #320-3420 is anti-static.

Size	Pkg	Unit	Stock#	PRICE
White				
1½" x 1½"	100/pk	PK	320-3001	\$15.55
1½" x 1½"	500/bx	BX	320-3002	\$21.08
3½" x 3½"	100/pk	PK	320-3003	\$23.36
3½" x 3½"	500/bx	BX	320-3004	\$34.44
5½" x 5½"	100/pk	PK	320-3005	\$37.73
5½" x 5½"	500/bx	BX	320-3006	\$58.90
5½" x 5½"	500/bx	BX	320-3420	\$58.12
Blue				
1½" x 1½"	500/bx	BX	320-3016	\$21.08
3½" x 3½"	500/bx	BX	320-3017	\$37.24
5½" x 5½"	500/bx	BX	320-3018	\$66.76

Weighing Papers

For use with analytical balances. Smooth, allow solids to flow freely. 500/pack. Nitrogen free.



Size	Unit	Stock#	PRICE
3" x 3"	PK	155-3550	\$9.20
4" x 4"	PK	155-3552	\$12.15
6" x 6"	PK	155-3554	\$21.08

Curved Forceps

Curved, sharp-pointed forceps. Serrated tips for gripping small objects tightly. Corrugated handles.



Description	Unit	Stock#	PRICE
Nickel-plated steel, 4.5"	EA	155-3290	\$8.76
Stainless steel, 6" (suitable for BSDA)	EA	716-3010	\$16.10
Tweezer, plastic, 3.5"	EA	562-3995	\$2.63
Straight Tip, stainless steel, 8"	EA	155-3295	\$21.06

Microspatula

Double-ended stainless steel spatula with flat ends. Use for scooping powders, stirring solutions and various lab uses.



Length	Unit	Stock#	PRICE
8"	EA	155-3750	\$5.24

Microspatula/Spoon

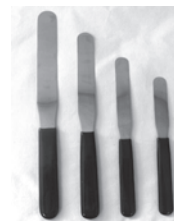
Spoon on one end, spatula on the other. Stainless steel.



Length	Unit	Stock#	PRICE
9"	EA	155-3755	\$9.35

Spatulas

Spatulas in an assortment of handy sizes. Stainless steel blade with a tough PVC handle. Resistant to boiling water, acids and most solvents.



Blade Length	Unit	Stock#	PRICE
3"	EA	220-3327	\$16.26
4"	EA	155-3756	\$17.37
5"	EA	220-3312	\$19.82
6"	EA	220-3328	\$19.31

Lab Scoop

Small stainless steel lab scoop with curved sides and pointed tip.



Length	Unit	Stock#	PRICE
7"	EA	155-3690	\$4.99

Prices subject to change.

BLENDERS

Oster® OSTERIZER® Laboratory Blender

Oster blenders offer continuous-run or pulse control at all speeds. Five cup containers with removable 2-oz measuring cup are ideal for continuous feeding. Stainless steel blade assembly removes easily for cleaning. Other features include: metal-to-metal drive for longer life, permanently lubricated motor, and non-slip feet.

Description	Unit	Stock#	PRICE
10 Speed blender, 1/8 hp, 6 cup plastic jar	EA	503-3640	\$45.64
Accessories/Parts			
Blade assembly w/gray gasket	EA	503-3010	\$14.59
Bottom, screw-on	EA	503-3015	\$7.95
Container, glass, 5-cup w/lid and measuring cap	EA	503-3019	\$22.59
Coupling	EA	503-3022	\$6.32
Gasket, neoprene, gray	EA	503-3025	\$3.12
Gasket, red silicone, autoclavable	EA	503-3021	\$1.91
Container, plastic 6-cup w/lid and measuring cap	EA	503-3008	\$19.92
Jar w/cap, 8-oz, Oster, clear plastic, blend & store	EA	503-3035	\$8.65
Jar w/lid, 250 mL, Nalge, mason threads, clear plastic	EA	156-3601	\$11.40
Square drive & dish assembly, 1 set/pk	PK	503-3030	\$4.28

**WARING® Laboratory Blender**

Reduce samples to almost any desired consistency with high-quality, long-life Waring laboratory blenders. Choose models with one liter glass or stainless steel containers. Standard-duty 1-or 2-speed models available. 7-speed models are heavy-duty. Two-piece vinyl and styrene lid, stainless steel blades. Epoxy-coated motor housing. 120V. UL-listed.

Mfg Part #	Description	Container	Unit	Stock#	PRICE
700G	Standard-duty, 1-speed	Glass	EA	733-3998	\$265.80
700S	Standard-duty, 1-speed	Stainless steel	EA	733-3997	\$324.89
7011G	Standard-duty, 2-speed	Glass	EA	733-3996	\$371.01
7011S	Standard-duty, 2-speed	Stainless steel	EA	733-3995	\$430.38
7012G	Heavy-duty, 7-speed	Glass	EA	733-3994	\$629.70
7012S	Heavy-duty, 7-speed	Stainless steel	EA	733-3012	\$606.61

Accessories/Parts

MC3	Mini container, 250 mL, w/lid	EA	733-3990	\$274.91
003548	Blending blade assembly	EA	733-3548	\$21.17
700BU	Blender base, 1-speed, no container	EA	733-3999	\$224.47
7012BU	Blender base, 7-speed, no container	EA	733-3701	\$535.06
002518	Drive coupling for 700 & 7011 series blenders	EA	733-3987	\$25.86
003559	Drive coupling for 7012 series blenders	EA	733-3988	\$21.48
CAC33	32-oz blender container, stainless steel w/lid & blending assembly	EA	733-3993	\$135.85
CAC64	500 mL, pp container, screw cap & blade assembly	EA	733-3992	\$135.65

**BioMixer™ Hand-Held Blender**

Use this versatile, high-speed laboratory blender to completely mix, emulsify or homogenize your samples. The secret is a 10,000 rpm motor and 3 different blade types. Only stainless steel touches your sample. Because it is hand-held, use almost any laboratory jar or beaker with an opening 2-1/2" or greater. It quickly cleans itself between samples. Maintenance-free motor is completely sealed and double-insulated for safety. 12" long. AC, 110V.

Description	Unit	Stock#	PRICE
BioMixer w/3 different blades	EA	070-3000	\$216.50
Replacement blade set	ST	070-3010	\$26.49
Grinding mill attachment	EA	070-3008	\$21.92

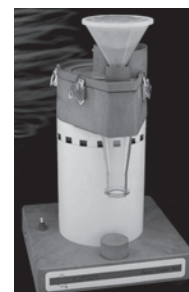


Call Customer Service at 800-826-8302

BLENDERS/STOMACHERS**Lab Cyclone Sample Mill**

When a small sample has to represent a large amount of product, ensure sample uniformity with this mill. The UDY Lab Cyclone Sample Mill is USDA recommended for NIR (near-infrared spectroscopy) sample preparation.

Mill uses high velocity air flow, an abrasive surface, and centrifugal force to grind material. Rotation of the impeller and centrifugal force throws particles to the perimeter of the grinding chamber where air flow pushes them along the abrasive tungsten carbide surface. A screen provides an upper limit for consistent particle size. As particles become small enough they are deposited in a sample collection bottle by cyclone action. Air flow prevents accumulation inside the grinding chamber eliminating the need to clean the mill between samples; thermal degradation of sample is also minimized. Use with the ESE analyzer and other NIR instruments. Accessories included: three collection bottles (two 120 mL glass and one 150 mL plastic) with snap-cap, two hex wrenches, anti-static solution, 0.5 and 1.0 mm stainless steel screens.



Description	Unit	Stock#	PRICE
Lab Cyclone Sample Mill	EA	695-3080	\$4,169.00
0.5 mm Screen, stainless steel	EA	695-3499	\$33.68
1.0 mm Screen, stainless steel	EA	695-3498	\$33.68
Collection bottle kit (Includes 2 - 120 ml, 1 - 150 ml bottles)	PK	695-3387	\$27.90

Stomacher® Lab Blenders

Widely used in the food industry, these blenders provide a rapid, clean, safe way to blend samples. Simply place sample in disposable, sterile polyethylene bag, insert in machine, and close door. Reciprocating paddles pound the sample.

Why use a Stomacher?

- Clean. Samples are blended in disposable plastic bags. They never touch the instrument.
- Safe. There are no aerosol leaks. The bag containing the sample is tightly clamped in the instrument to prevent aerosol release associated with that of other types of blenders.
- Timesaving. The Stomacher process is rapid. No need to sterilize blender cups and blades. Simply discard the bags after use. Most samples can be blended in 30 to 60 seconds. Bacteriological samples of meats, pastry or dairy products are ready within 1 to 2 minutes.

Restyled for convenience and easy maintenance, stomachers now feature microprocessor controls. Three preset speeds plus timer or continuous operation improve laboratory efficiency. Sturdy cast aluminum alloy exterior is finished with glossy enamel. Motor noise and vibration is dampened by steel housing. 110V to 120V, single phase.

Seward Stomacher® 400 Circulator

When food safety and quality matter, rely on the Stomacher to safeguard your reputation. The Stomacher 400 is the world's leading laboratory blender for food microbiologists. Patented circular paddle design enhances sample blending and extrusion of the organisms into suspension, providing reliable and reproducible testing. Most samples can be blended in 30 to 60 seconds. Bacteriological samples of meats, pastry, or dairy products are ready within 1 to 2 minutes. Choose round bottom (circulator) Stomacher bags for sample processing with no risk of cross contamination. The 400 features one-touch, user programmable time and speed functions, variable time settings from 1 second to 99 minutes 59 seconds, and auto-run for hands-free operation. 54 lbs.



SP SCIENCEWARE
Bel-Art • H-B Instrument • Wilmod-LabGloss

Description	Capacity	Size	Unit	Stock#	PRICE
400	80 to 400 mL	13.25"W x 13.25"D x 11"H	EA	656-3000	\$5,955.99
Accessories					
3740 Connector assembly		Fits serial numbers to 36629	EA	656-3020	\$206.50
1034 Connector assembly		Fits serial numbers 36630 and up	EA	656-3034	\$206.50
S234 Motor brush set			ST	656-3234	\$36.74
B-E001125 On/Off rocker switch			EA	656-3125	\$38.78
Foot pad, cushion			EA	656-3002	\$6.06

Prices subject to change.

BLENDERS/STOMACHERS & ACCESSORIES

Seward Stomacher® 3500 Jumbo Lab Blender

Large sample capacity and gentle paddle action are ideal for blending a wide range of powders and other food products. Features three time settings plus a continuous cycle. 3-year warranty.



Capacity	Size	Unit	Stock#	PRICE
400 to 3500 mL	19"W x 19"D x 17.5"H	EA	656-3010	\$9,449.93

Seward Stomacher® Bags

Designed by the manufacturer of the Stomacher Circulator lab blender, these sterile bags offer resiliency to withstand paddle-action blending. All Stomacher bags are made from virgin LDPE granule extruded to 6.5 mil thickness. Choose from circulator bags with round corners, or classic bags with squared bottoms.

Description	Bag Type	Bag Size	Sample Size	Pkg	Unit	Stock#	PRICE
Stomacher 400 Circulator Bags							
	Standard	7" x 12"	80-400 mL	500/box (sachets of 50)	BX	656-3011	\$86.96
	Strainer	7" x 12"	80-400 mL	250/box (sachets of 10)	BX	656-3012	\$218.40
	Closure	7" x 12"	80 - 400 mL	250/box (sachets of 10)	BX	656-3013	\$164.06
Stomacher 400 Classic Bags							
	Standard	7" x 12"	80-400 mL	500/box (sachets of 50)	BX	656-3007	\$86.96
	Strainer	7" x 12"	80-400 mL	200/box (sachets of 10)	BX	656-3025	\$218.40
	Closure	7" x 12"	80-400 mL	250/box (sachets of 10)	BX	656-3008	\$164.06
Stomacher 80 Biomaster Bags							
	Standard	4" x 6"	5-80 mL	2000/box (sachets of 50)	BX	656-3001	\$162.08
Stomacher 400 Accessories							
Bag holder/rack, 1-place					EA	656-3014	\$44.47
Bag holder/rack, 10-place					EA	656-3016	\$151.19
Bag opener					EA	656-3095	\$39.53
Bag clips				200/box	BX	656-3099	\$42.65
Simplettes				50/pack/ 40 pack/case	CA	656-3051	\$189.18

Seward Interprep® Media Bags and Sachets

Interprep is a new range of instantly soluble, sterile, granulated media specifically designed to speed up and simplify sample preparation for microbiological analysis. Available in the following 2 forms. Interprep media bags include instantly soluble pre-measured, sterile media in a Stomacher bag. Simply add sterile distilled water and your sample as per protocol. Interprep sachets are instantly soluble, sterile media granules, ready to use. Just add sachets to your own Stomacher bags. Choose the Interprep sachet that fits your protocol needs. With Interprep, cut waste and cost, manage your laboratory resources more efficiently and optimize laboratory workflow.



Mfg Part #	Description	Units/Pack	Unit	Stock#	PRICE
INS-2100	Interprep Buffered Peptone Water (Stomacher Bag, granules for 225ml)	100	PK	656-3200	\$351.70
INS-2101	Interprep Max Recovery Diluent (Stomacher Bag, granules for 225ml)	100	PK	656-3201	\$332.61
INS-2102	Interprep Fraser Broth (Stomacher Bag, granules for 225ml)	50	PK	656-3202	\$498.25
INS-2200	Interprep Buffered Peptone Water (Sachet, granules for 225ml)	100	PK	656-3203	\$382.15
INS-2201	Interprep Max Recovery Diluent (Sachet, granules for 225ml)	100	PK	656-3204	\$361.34
INS-2202	Interprep Fraser Broth (Sachet, granules for 225ml)	50	PK	656-3205	\$505.36
INS-2300	Interprep Buffered Peptone Water (Sachet, granules for 3375ml)	100	PK	656-3206	\$961.05
INS-2301	Interprep Max Recovery Diluent (Sachet, granules for 3375ml)	100	PK	656-3207	\$902.50
INS-2302	Interprep Fraser Broth (Sachet, granules for 1125ml)	50	PK	656-3208	\$1,197.50

Call Customer Service at 800-826-8302

BLENDER BAGS

WHIRL-PAK® Blender Bags



Nasco
Dedicated to Delivery

Made of extra-heavy polyethylene for use with homogenizer blenders. 4.0 mil thickness. 500 bags/box.

Capacity/Features	Size	Unit	Stock#	PRICE
24-oz	6" x 9"	BX	486-3016	\$106.61
24-oz	6" x 9"	BX	486-3196	\$111.30
52-oz/Round bottom	7" x 13"	BX	486-3239	\$177.60
55-oz	7.5" x 12"	BX	486-3195	\$155.35

WHIRL-PAK® Filter Bags



Nasco
Dedicated to Delivery

Filter layer separates the liquid and solids, allowing for easy pipetting of the sample. Made of extra-heavy polyethylene for use with homogenizer blenders. All bags have a write-on strip and wire closure. 4.0 mil thickness.

Capacity	Size	Pkg	Unit	Stock#	PRICE
7-oz	3.75" x 7"	250/bx	BX	486-3260	\$115.86
24-oz	6" x 9"	250/bx	BX	486-3256	\$151.47
55-oz	7.5" x 12"	250/bx	BX	486-3255	\$180.03
69-oz	7.5" x 15"	250/bx	BX	486-3266	\$190.32
92-oz	10" x 15"	100/bx	BX	486-3262	\$141.92
138-oz	15" x 15"	100/bx	BX	486-3263	\$152.36

Diluent Volume Calculations:

Volume of Buffer Needed = (weight of sample x dilution) - weight of sample

Example: You have 7.5mL of sample and want to prepare 1:10 dilution

$$(7.5\text{mL} \times 10) - 7.5\text{mL} = 67.5\text{mL}$$

WATER BATHS

PolyScience Digital Water Baths

Easy-to-use digital temperature controller that features three temperature presets for one-touch selection of frequently used set-points plus a user-settable high limit alarm that alerts you if the bath temperature exceeds preset limits. Other features include a large, back-lit LCD display, displays actual and set point temperature simultaneously, integrated timer, clear-hinged gable cover, calibration capability and recessed handles for easy positioning. Temperature range: ambient +5° to 99°C. Temperature uniformity: $\pm 0.2^\circ\text{C}$. Temperature stability: $\pm 0.1^\circ\text{C}$. 120 V. 2-year warranty.



Mfg Part #	Capacity	Interior Dimensions	Overall Dimensions	Drain Spout	Unit	Stock#	PRICE
WB02A11B	2L	3.9"L x 4.3"W x 6"D	9"L x 12"W x 10.5"H	No	EA	528-3302	\$364.00
WB05A11B	5L	5"L x 10.8"W x 6"D	14.5"L x 12"W x 10.5"H	No	EA	528-3305	\$439.00
WB10A11B	10L	10.6"L x 11.6"W x 6"D	15.5"L x 17"W x 12"H	Yes	EA	528-3310	\$523.00
WB20A11B	20L	9.5"L x 17"W x 6"D	22.5"L x 17.5"W x 12"H	Yes	EA	528-3320	\$631.00
WB28A11B	28L	9.5"L x 17"W x 8"D	22.5"L x 17.5"W x 14"H	Yes	EA	528-3328	\$664.00

Boekel "Hot Tub" Water Baths

The Boekel line of water baths is ideal for general lab applications. Space-saving design allows for the most efficient use of your bench space. The PID controller allows for easy temperature selection in 0.1°C increments to a maximum 100.0°C . There is also a "boiling mode" setting eliminating the need to purchase a second single-function boiling bath. It is ideal for applications such as melting agar. All units are supplied with polycarbonate lid. Stainless steel gabled cover, ordered separately, is required for use when placed in boiling mode. Lid, gabled cover, or layer of polypropylene spheres recommended for use above 60°C to minimize evaporation. 2-year warranty.



Mfg. Part #	Description	Capacity	Unit	Stock#	PRICE
290100	Hot Tub	6 L	EA	068-3901	\$1,066.85
290200	Hot Tub	14 L	EA	068-3902	\$1,238.84
290300	Hot Tub	28 L	EA	068-3903	\$1,509.85
Accessories					
290120	Cover SS	For 6 L bath	EA	068-3912	\$142.53
290220	Cover SS	For 14 L bath	EA	068-3922	\$165.25
290320	Cover SS	For 28 L bath	EA	068-3932	\$207.18
290155	PP spheres, 300/pk		PK	068-3020	\$118.89



Boekel Orbital and Reciprocating Water Bath

Designed for a wide range of temperature-controlled protocols, this bath has a unique magnetically coupled shaking mechanism for both linear and orbital shaking. A PID microprocessor controls temperature and speed. A programmable timer is capable of settings up to 99 hours. Temperature range: ambient to 99°C . Uniformity: $\pm 0.1^\circ\text{C}$. Speed range: 20 to 200 rpm (1 rpm display resolution). Polycarbonate cover included. Size: 13"W x 22"L x 14"H. Order tray separately. Stainless steel gabled lid available to direct condensation to bath edges and prevent dripping into open flask. 2-year warranty.



Mfg. Part #	Description	Capacity	Unit	Stock#	PRICE
290400	Shaking Hot Tub	28 L	EA	068-3300	\$3,707.61
Accessories					
290410	Flask tray, universal	25 mL to 1 L	EA	068-3320	\$444.66
290320	Lid, SS		EA	068-3932	\$207.18



More water baths on the next page...

Call Customer Service at 800-826-8302

WATER BATHS & HEATERS/CIRCULATORS

SHEL LAB® Water Baths

Accurate, easy to use, safe, and durable. Shel Lab high performance water baths have a digital set/digital read P.I.D. temperature controller that maximizes rapid heat-up without temperature overshoot.

A microprocessor achieves precise temperature control regardless of how the unit is loaded. It has a unique lid design that allows condensation to drain back into the tank without spilling onto the work area. A warm air jacketed design radiates heat to the sides and bottom of the tank, eliminating hot spots. The unit has a non-contact, recessed heating element that will prevent burnouts if the water level is too low. The water bath tank is constructed of stainless steel and does not have seams that could leak. The unit's housings have a high quality textured powder coat finish. This electrostatically applied finish not only eliminates rust and chipping but is resistant to nicks, scratches and corrosives.

Shel Lab digital water baths are durable and dependable with a variety of different models to fit any application. 120V (220V units are available). UL listed. 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Interior (w x d x h)	Exterior (w x d x h)	Cover	Unit	Stock#	PRICE
Standard Baths							
SWB2	2 L	11.7" x 5.7" x 2.5"	15" x 12" x 8.8"	Yes	EA	586-3070	\$588.39
SWB7	7 L	11.7" x 6" x 6"	15.3" x 12" x 9"	Yes	EA	586-3071	\$658.65
SWB15	15 L	11.7" x 13" x 6"	15" x 19" x 19"	Yes	EA	586-3072	\$783.95
SWB23	23 L	11.5" x 19.5" x 6.2"	15" x 25.3" x 9"	Yes	EA	586-3073	\$945.65
Deep Chamber Bath							
SWB30	30 L	12" x 14" x 12"	16" x 19.3" x 15.3"	No	EA	586-3074	\$2,200.31
Dual Chamber Bath							
SWB715	7 L/15 L	11.7" x 6" x 6"/11.7" x 13" x 6"	24.3" x 19.3" x 8.8"	Yes	EA	586-3075	\$1,441.76
Circulating Bath							
SWBC22	23 L	11.5" x 19.5" x 6.2"	15" x 25.5" x 9"	Yes	EA	586-3076	\$2,268.04
Shaking/Reciprocating Baths							
SWBR17	17 L	14.7" x 11.7" x 7.5"	25.5" x 15.5" x 12.5"	Yes	EA	586-3077	\$2,350.16
SWBR27	27 L	27" x 12" x 7.2"	37.5" x 14.8" x 12.5"	Yes	EA	586-3078	\$2,645.63

PolyScience Immersion Heater/Circulator

This immersion heater/circulator is reliable, requires very little support once placed in service, is simple to operate, and is competitively priced. 2-year warranty on parts and a 1-year warranty on labor.

The PID microprocessor controller provides precise temperature control and greater temperature stability. The 2-speed pressure (simplex) pump minimizes turbulence in small tanks and provides higher flow and greater uniformity in large tanks. An adjustable flow director accepts 0.5"(133mm) ID tubing for external circulation. Temperature range: ambient +5°C to 150°C. Stability: ±0.05°C. 120 V.



JULABO ED Digital Immersion Heater/Circulator

Now featuring bright LED temperature display with resolution to 0.1°C, the new ED model allows creation of a custom circulating bath with precise temperature control at half the price of a standard unit. Clamp this high-quality, space-saving circulator to any suitable vessel and make a surprisingly inexpensive circulating water bath. Provides a uniform mixing of bath liquid and circulates 15L per minute. Includes attachment clamp for wall thickness up to 1". Immersion depth is 6.5", reducible to 5". Thermostat adjusts from 20° to 100°C, ±0.3°C. 115V.



Model	Description	Unit	Stock#	PRICE
7306	Digital standard model	EA	528-3306	\$1,071.60

Description	Unit	Stock#	PRICE
Immersion heater	EA	350-3002	\$930.34
Rubbermaid Carb-X tub, 18" x 12" x 9"	EA	440-2463	\$31.15
Lid for Carb-X tub	EA	440-2468	\$11.32

Prices subject to change.

DRY BATHS, BLOCK HEATERS & WATER BATH ACCESSORIES

Thermco® Water Bath Thermometer

Designed for water bath and antibiotic confirmation measurements. 35 mm immersion. Meets NIST tolerances for accuracy. Spirit filled.



Range	Divisions	Length	Teflon Coated	Unit	Stock#	PRICE
0° to 110°C	1.0°C	225 mm	Yes	EA	195-3055	\$44.73

Water Bath Algicide

Eliminates algae growth in many types of water-containment applications. Simply add 10 to 15 drops per gallon to keep water clear. 8-oz bottle contains enough solution to treat up to 400 gallons.

Unit	Stock#	PRICE
BO	716-3540	\$104.69

Thermo Scientific Digital Dry Baths/Block Heaters

Increase lab versatility with the Thermo Scientific digital dry baths/block heaters, which offer a range of configurations with interchangeable modular blocks for a variety application needs. Range of configuration to hold 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels and applications. Blocks sold separately.

FEATURES:

- Digital controls and display of time and temperature.
- Temperature range: Ambient + 5°C – 130°C.
- Built-in temperature sensing probe for outstanding temperature accuracy and control.
- Precise temperature control with PID circuit.
- Temperature calibration enables to offset the temperature to desired value.
- Timer allows the user to accurately monitor the heating time.
- Interchangeable aluminum alloy sample blocks provide versatility and allow for easy cleaning and disinfecting.
- Powder-coated steel body construction ensures durability.
- 2 year warranty.



Thermo
SCIENTIFIC

Model	Block Capacity	Unit	Stock#	PRICE
88870001	1	EA	038-3061	\$372.60
88870002	2	EA	038-3062	\$413.10
88870003	4	EA	038-3063	\$499.50

Thermo Scientific Digital Dry Bath/Block Heater Modular Blocks

Thermo
SCIENTIFIC

Made of aluminum alloy to provide for easy cleaning and disinfecting. These interchangeable modular blocks are available in many different configurations to accommodate a variety of vessels and applications. Modular blocks are for use in #038-3061, #038-3062, and #038-3063.



Model	Block Size	Block Capacity	Unit	Stock#	PRICE
88870101	4.9"W x 3.0"D x 1.5"H	46 x 6 mm tubes	EA	038-3080	\$76.39
88870102	4.9"W x 3.0"D x 1.5"H	28 x 10 mm tubes	EA	038-3081	\$76.39
88870103	4.9"W x 3.0"D x 1.5"H	28 x 1.5 mL tubes	EA	038-3082	\$70.26
88870104	4.9"W x 3.0"D x 1.5"H	28 x 2.0 mL tubes	EA	038-3083	\$70.26
88870105	4.9"W x 3.0"D x 1.5"H	24 x 13 mm tubes	EA	038-3084	\$78.80
88870106	4.9"W x 3.0"D x 1.5"H	15 x 16 mm tubes	EA	038-3085	\$94.67
88870107	4.9"W x 3.0"D x 1.5"H	12 x 18 mm tubes	EA	038-3086	\$94.67
88870108	4.9"W x 3.0"D x 1.5"H	8 x 20 mm tubes	EA	038-3087	\$76.39
88870109	4.9"W x 3.0"D x 1.5"H	6 x 25 mm tubes	EA	038-3088	\$76.39
88870110	4.9"W x 3.0"D x 1.5"H	40 x 0.5 mL tubes	EA	038-3089	\$83.63
88870111	4.9"W x 3.0"D x 1.5"H	1 x 96-well ELISA	EA	038-3090	\$70.26
88870112	4.9"W x 3.0"D x 1.5"H	32 x 6 mm; 21 x 10 mm tubes	EA	038-3091	\$99.31
88870113	4.9"W x 3.0"D x 1.5"H	18 x 1.5 mL; 10 x 2.0 mL tubes	EA	038-3092	\$99.31
88870114	4.9"W x 3.0"D x 1.5"H	12 x 13 mm; 6 x 6 mm tubes	EA	038-3093	\$136.44
88870115	4.9"W x 3.0"D x 1.5"H	30 x 0.5 mL; 20 x 0.2 mL tubes	EA	038-3094	\$136.44
88870116	4.9"W x 3.0"D x 4.55"H	15 x 15 mL Flat bottom tubes	EA	038-3095	\$163.36
88870117	4.9"W x 3.0"D x 4.55"H	4 x 50 mL Flat bottom tubes	EA	038-3096	\$163.36
88870118	4.9"W x 3.0"D x 4.55"H	15 x 15 mL Conical bottom tubes	EA	038-3097	\$329.51
88870119	4.9"W x 3.0"D x 4.55"H	4 x 50 mL Conical bottom tubes	EA	038-3098	\$329.51
88870120	4.9"W x 3.0"D x 1.5"H	1 x 96-well 0.2 mL Nonskirted PCR plate	EA	038-3099	\$183.78
88870121	4.9"W x 3.0"D x 2.17"H	1 x 96-well 0.2 mL Half or full skirted PCR plate	EA	038-3100	\$210.70

Call Customer Service at 800-826-8302

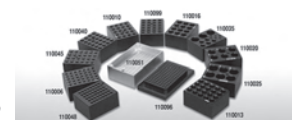
DRY BATHS, BLOCK HEATERS & ACCESSORIES**Boekel Dry Bath Incubators**

Designed to accommodate an assortment of interchangeable heating block modules. They are reliable and economical and ideal for a variety of applications. 115V. 2-year warranty.

Model	Block Capacity	Temp. Range	Unit	Stock#	PRICE
Digital					
113002	2	0.1°C to 120°C	EA	068-3113	\$787.75
113004	4	0.1°C to 120°C	EA	068-3114	\$1,022.80
Analog					
112001	1	up to 150°C	EA	068-3115	\$340.39
112002	2	up to 130°C	EA	068-3116	\$446.16
112004	4	up to 130°C	EA	068-3117	\$697.12
Accessories					
110002LID	Acrylic cover for 1 & 2 block dry baths		EA	068-3110	\$100.49

Boekel Heating Block Modules

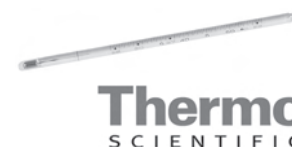
Precision-machined solid aluminum blocks that are designed in many different tube configurations. Each block has a well for a thermometer (not included) and a block extractor hole. They are interchangeable between the analog and digital dry bath incubator models. These anodized blocks resist corrosion and feature alpha/numerical labeled rows and columns for easy vessel identification.



Model	Block Size	Block Capacity	Unit	Stock#	PRICE
110006	3"W x 3.75"L x 2"H	35 x 6 mm tubes	EA	068-3021	\$81.83
110010	3"W x 3.75"L x 2"H	20 x 10 mm tubes	EA	068-3022	\$81.83
110013	3"W x 3.75"L x 2"H	20 x 13 mm tubes	EA	068-3023	\$81.83
110016	3"W x 3.75"L x 2"H	12 x 16 mm tubes	EA	068-3024	\$81.83
110020	3"W x 3.75"L x 2"H	6 x 20 mm tubes	EA	068-3026	\$81.83
110025	3"W x 3.75"L x 2"H	6 x 25 mm tubes	EA	068-3025	\$81.83
110051	3.75"W x 5.25"L x 1.75"H	1 x 96 well microplate	EA	068-3027	\$200.00

Thermco® Block Heater Thermometers

Mercury and spirit thermometers designed for block heater, water bath and agar tempering measurements. Readings in 0.5°C divisions. Individually serialized and meets NIST tolerances for accuracy. 35 mm immersion. Note: some of these products contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Length	Teflon Coated	Unit	Stock#	PRICE
Mercury-Filled						
25° to 57°C	0.5°C	175 mm	Yes	EA	195-3006	\$46.33
25° to 57°C	0.5°C	175 mm	No	EA	195-3007	\$38.81
20° to 70°C	0.5°C	175 mm	Yes	EA	195-3026	\$29.56
Spirit-Filled						
25° to 57°C	0.5°C	175 mm	Yes	EA	195-3036	\$46.33
25° to 57°C	0.5°C	175 mm	No	EA	195-3041	\$38.81
0° to 100°C	0.5°C	225 mm	No	EA	511-3647	\$31.63

Prices subject to change.

INCUBATORS

Incubators & Ovens

Nelson-Jameson offers incubators and ovens to accommodate your requirements for drying and curing of product samples. Incubators are available in gravity convection, or mechanical and gravity (dual convection) styles. Standard capacities range from compact models (0.6 cu. ft.) to approximately 12.0 cu. ft. Ovens are available in gravity or mechanical convection in capacities from 2.3 cu. ft. to 10.6 cu. ft. Contact our customer service department with your required specifications.

SHEL LAB® Economy Lab Incubators

Delivers a degree of temperature uniformity usually found only in more expensive, application-specific models. Triple wall construction allows heated air to circulate within an open plenum between the inner chamber and exterior walls. This design does not require blowers or fans within the incubator chamber where samples are susceptible to cross contamination. This superior line of incubators has created a level of comfort and convenience for professionals that is unrivaled. Features include: hydraulic temperature controller, unique warm air jacket design, small foot print, adjustable shelves, positive lock door latch. Unit comes with 2 shelves and can have a maximum of 6 shelves. 120V (220V units are available). Temperature range: 5°C above ambient to 70°C. Temperature uniformity: $\pm 0.5^{\circ}\text{C}$ at 37°C. 1-year limited warranty. Made in the USA.



SHEL LAB

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Microprocessor Controller	Unit	Stock#	PRICE
SMI1E	1 cu ft	12" x 12" x 14"	16.8" x 17.8" x 22.3"	No	EA	586-3001	\$933.80
SMI1EM	1 cu ft	12" x 12" x 14"	16.8" x 17.8" x 22.3"	Yes	EA	586-3002	\$1,166.61
SMI2E	2 cu ft	17" x 12" x 17"	21.5" x 18" x 25.5"	No	EA	586-3003	\$1,040.47
SMI4E	4 cu ft	16" x 19" x 22"	21" x 24.5" x 31.5"	No	EA	586-3004	\$1,609.39
SMI6E	6 cu ft	20" x 19" x 28"	24.5" x 25" x 36.5"	No	EA	586-3011	\$2,099.57

SHEL LAB® Microbiological Incubators

This line of incubators offers a high level of performance due to a precise microprocessor controller and a unique warm air jacket design. Triple wall construction allows heated air to circulate within an open plenum between the inner chamber and exterior walls. This design does not require blowers or fans within the incubator chamber where samples are susceptible to cross contamination and the drying effects of convection. Five strategically placed heating elements, including a heated outer door, ensure uniform heating, even when the incubator chamber is fully loaded. Features include: microprocessor control, independent over temperature thermostat, unique warm air jacket design, interior outlet, heated outer door, inner glass viewing door, small foot print, stainless steel interior, UL approved. 115V (220V units are available). Temperature range: 8°C above ambient to 70°C. Temperature uniformity: $\pm 0.35^{\circ}\text{C}$ at 37°C. 2-year limited warranty. Made in the USA.



SHEL LAB

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Configuration	Unit	Stock#	PRICE
SMI2	2 cu ft	15" x 15" x 15"	22" x 22" x 27.3"	2 (6)	Bench top	EA	586-3005	\$1,777.86
SMI6	6 cu ft	19.2" x 20" x 25.7"	25.5" x 27.3" x 38"	3 (12)	Floor model	EA	586-3006	\$2,520.33
SMI7	7 cu ft	23.7" x 24" x 19.7"	30" x 31.8" x 32.3"	2 (9)	Under counter	EA	586-3162	\$2,869.13
SMI11	11 cu ft	36.2" x 20" x 25.7"	42.5" x 27" x 38"	6 (12)	Double doors	EA	586-3007	\$4,633.44
SMI12	12 cu ft	2-19.2" x 20" x 25.7"	25.5" x 27.3" x 75.8"	6 (24)	Dual/stacked	EA	586-3008	\$5,109.23

SHEL LAB® Large Capacity Incubators

Provides extra large capacities while minimizing the amount of floor space needed. The temperature in this large space is kept uniform by integrating a highly responsive microprocessor with an appropriately sized heating element. An independent secondary temperature controller offers the added security of over temperature protection. Unique forced air circulation system creates a one-pass circulation pattern that provides both exceptional temperature uniformity and rapid heat recovery. The chamber floors are ruggedly reinforced to support roller apparatus or shakers. This unit is supplied with six sturdy shelves that will not sag or bend under heavy loads. Features include: microprocessor control, solid door with viewing window, roller bottle apparatus accommodation, interior outlet, powder coated white interior. 115V (220V units are available). Temperature range: 8°C above ambient to 70°C. Temperature uniformity: $\pm 0.8^{\circ}\text{C}$ at 37°C. 2-year limited warranty. Made in the USA.



SHEL LAB

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Unit	Stock#	PRICE
SMI31	30.8 cu ft	32.2" x 26" x 63.5"	38.5" x 34" x 75.3"	6 (16)	EA	586-3009	\$6,172.56
SMI39	38.6 cu ft	35" x 26" x 73.2"	41.5" x 34.8" x 87.5"	6 (20)	EA	586-3010	\$8,173.92

Call Customer Service at 800-826-8302

INCUBATORS

Quincy Lab 140 Series Incubators

The versatile 140 series incubators from Quincy Lab were custom-developed for laboratories that need a dependable, compact incubator for cultures, test kits, eggs and biologicals. They feature an operating range of ambient +2 to 62°C. Select from the economy of analog control or the accuracy and convenience of digital, from light-pressure thermal convection. All units feature high grade aluminum interiors, cold-rolled steel exteriors powder coated in Quincy's "clean room" ivory and a bronze acrylic see-through door. Control panel includes illuminated power switch and heat cycle pilot light. Standard equipment includes 1-fixed and 1-adjustable chrome-plated wire shelf. Analog models include an environmentally friendly spirit thermometer. Digital models include selectable C or F unit in 0.1 display resolution and a continuous self-diagnostic function that prompts if control malfunctions or thermocouple fails. All units UL and C/UL listed for laboratory equipment. Full 18 month warranty.



Model	Capacity	Interior (W x D x H)	Exterior (W x D x H)	Digital	Uniformity	Unit	Stock#	PRICE
10-140	0.7 cu ft	12" x 10" x 10"	13" x 15" x 11"	No	±0.75°C	EA	397-3130	\$355.50
12-140	2 cu ft	18" x 16" x 12"	19" x 21" x 13"	No	±0.75°C	EA	397-3140	\$454.50
10-140E	0.7 cu ft	12" x 10" x 10"	13" x 15" x 11"	Yes	±0.5°C	EA	397-3131	\$576.00
12-140E	2 cu ft	18" x 16" x 12"	19" x 21" x 13"	Yes	±0.5°C	EA	397-3141	\$697.50

Quincy Lab 180 Series Incubators

The Quincy Lab 180 series incubators pick up where the 140 series leaves off as far as temperature range with an operating range of ambient +3 to 93°C. This series was also developed for laboratories that need a dependable, compact incubator for cultures, test kits, eggs and biologicals. Select from the economy of analog control or the accuracy and convenience of digital, from light-pressure thermal convection. All units feature high grade aluminum interiors, cold-rolled steel exteriors powder coated in Quincy's "clean room" ivory, and a steel door. Control panel includes illuminated power switch and heat cycle pilot light. Standard equipment includes 1-fixed and 1-adjustable chrome-plated wire shelf. Analog models include an environmentally friendly spirit thermometer. Digital models include selectable °C or °F unit in 0.1 display resolution and a continuous self-diagnostic function that prompts if control malfunctions or thermocouple fails. All units UL and C/UL listed for laboratory equipment. Full 18 month warranty.



Model	Capacity	Interior (W x D x H)	Exterior (W x D x H)	Digital	Uniformity	Unit	Stock#	PRICE
10-180	0.7 cu ft	12" x 10" x 10"	13" x 15" x 11"	No	±0.75°C	EA	397-3180	\$378.00
12-180	2 cu ft	18" x 16" x 12"	19" x 21" x 13"	No	±0.75°C	EA	397-3190	\$477.00
10-180E	0.7 cu ft	12" x 10" x 10"	13" x 15" x 11"	Yes	±0.5°C	EA	397-3181	\$607.50
12-180E	2 cu ft	18" x 16" x 12"	19" x 21" x 13"	Yes	±0.5°C	EA	397-3191	\$706.50

Boekel Mini Incubator

Ideal for incubating small groups of plates in the field or lab. Compact (0.1 cu. ft.), and economical. The heating element is located behind the panel of the incubator to reduce the risk of scorching samples placed on the floor. Kydex® outer body with aluminum interior. Door features smoke gray plastic that allows samples to be viewed without opening the chamber. Flat digitemp strip on the bottom of the chamber indicates temperature. Temperature range: Ambient ±5 °C to 42°C.



Model	Interior	Exterior	Unit	Stock#	PRICE
AC incubator	7"W x 5"D x 6"H	8"W x 7"D x 6"H	EA	068-3001	\$286.77

3M™ Incubator

This Boekel incubator designed for 3M is ideal for incubating up to 300 Petrifilm™ plates. This compact unit features a steel door and extra insulation. Spirit thermometer and two removable wire shelves are included. Volume: 0.8 cu. ft. Ambient to 70°C. Accuracy ±2° at 62°C.

Model	Interior	Exterior	Unit	Stock#	PRICE
6426	11½"L x 12"W x 10½"H	14"L x 13"W x 16¼"H	EA	460-3426	\$480.68



Prices subject to change.

INCUBATORS, FREEZERS & OVENS

Compact Incubator

Before you buy another expensive incubator for on-farm, environmental or ingredient testing, consider this cost-effective alternative. Economically priced, the incubator will hold approximately 40 Petrifilm™ Plates or 4 petri dishes and a horizontal certified incubator thermometer to ensure proper shelf temperature. Uses standard 120V current. An adapter (found at your local electronics retailer) permits use with a dashboard plug-in, ideal for taking samples away from the plant. Includes fuse, reliable thermostat for stable temperature control, and external dial thermometer. Certified incubator thermometer (#195-3032) sold separately. 3-month warranty. 120V.

Interior	Exterior	Unit	Stock#	PRICE
7"L x 6"W x 1½"H	10½"L x 9"W x 8½"H	EA	004-3100	\$93.49



SHEL LAB® Refrigerated Incubators

Meets APHA specifications for Biochemical Oxygen Demand (B.O.D.) and includes a mechanical convection system to ensure even air distribution, an overload-protected refrigeration system, digital temperature set controller, safety high/low limit controls, and a digital temperature display. Units defrost automatically and the white interior makes cleaning easy. Gentle, continuous forced-air circulation ensures temperature uniformity and reproducible test conditions. In addition, units are equipped with a hermetically-sealed compressor and a circuit breaker to protect from electrical overload. These units have a steel exterior with welded seams and corners and a double-coated, baked enamel finish. A one amp interior outlet allows use of shakers, stirrers, roller bottles, or other apparatus. Units are supplied with adjustable leveling feet and condensation drip tray. Commonly used applications include B.O.D. determinations, fermentation studies, and bacterial culturing. Temperature Range: 0°C to 45°C at 20°C ambient. Temperature Uniformity: ±0.5°C at 20°C. 120V (220V units are available). 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included	Unit	Stock#	PRICE
SRI3	2.4 cu ft	16" x 12" x 21.5"	24" x 21" x 33.8"	2	EA	586-3020	\$2,435.67
SRI20	20.3 cu ft	27" x 23" x 56.5"	34.5" x 34.5" x 77.5"	4	EA	586-3021	\$5,346.28

Lab/Culture Chest Freezers

Can be used for multiple applications and are ideal for storing ingredients or cultures. CFC free. The outer shell is made of heavy gauge steel and the inner shell is made of heavy gauge corrosion resistant zinc coated steel. Features include a digital temperature control and audible alarm system. -40°C model is for short term culture storage (3 weeks) and the -85°C model is for longer term culture storage (up to 3 months). Other sizes are available.



Capacity	Temp. Range	Exterior Dimensions	Interior Dimensions	Unit	Stock#	PRICE
5 cu ft	Down to -40°C	35"H x 28"W x 24"D	27"H x 21"W x 16"D	EA	399-3000	\$2,885.00
5 cu ft	-40°C to -85°C	47"H x 40½"W x 32"D	16"H x 30"W x 18"D	EA	399-3001	\$5,800.00

Lindberg/Blue M™ Vacuum Ovens

Designed for drying, curing, aging, process control, and other applications that require elevated temperatures in reduced atmospheres or vacuum/purge for use with non-flammable, non-corrosive inert gases only. Microprocessor control, built-in overtemperature protection and fully flexible vacuum/purge/release system for a range of uses. Deluxe stainless steel finish. Solid outer door over inner viewing window door standard on stainless steel models. Temperature range: 6°C above ambient to 260°C. Uniformity: ±3.5% of setpoint, nominal (actual performance may vary depending on sample placement and atmospheric conditions). Digital microprocessor control with simultaneous LED display of setpoint and actual temperature. Connect to vacuum pump or in-house vacuum source. Includes inert gas port, vacuum port and vent port. VO914SA and VO1218SA models include 3 removable shelves. VO182SA model includes 2 removable shelves on fixed position shelf guides. 120V.



Model	Volume	Chamber	Exterior	Unit	Stock#	PRICE
VO914SA-1	0.65 cu. ft.	9" x 14" x 9"H	18" x 23" x 26"H	EA	038-3914	\$5,633.25
VO1218SA-1	1.5 cu. ft.	12" x 18" x 12"H	21" x 26" x 29"H	EA	038-3218	\$8,303.90
VO1824SA-1	4.5 cu. ft.	18" x 24" x 18"H	27" x 32" x 35"H	EA	038-3824	\$16,856.52

Call Customer Service at 800-826-8302

OVENS

SHEL LAB® Economy Vacuum Ovens

Built with a stainless steel chamber for exceptional durability. This unit is durably constructed with seamless welds and strong bracing - solid brass vacuum valves with Teflon® seats to prevent leaks are used. The double plenum design meets CE safety requirements resulting in a cool outer surface. The doors on these units have positive latch handles with spring-loaded glass to facilitate a good vacuum seal without hinge binds that shorten the gasket life. A selection of gaskets (for specific applications) and a small bench top footprint increase the versatility of these ovens. The unique cross-flow ventilation forces inert gas to fill the entire chamber. The Shel Lab family of vacuum ovens are outstanding in any application. Other features include: Teflon seated vacuum valves and built-in over temperature protection. Analog temperature control. Temperature range: ambient +15°C to 210°C. Temperature uniformity ±3°C at 60°C, ±9°C at 120°C, ±13°C at 200°C. Analog dial vacuum gauge. 120V (220V units are available). 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included	Unit	Stock#	PRICE
SVAC1E	0.6 cu ft	9" x 12" x 9"	15.5" x 19" x 22.5"	2	EA	586-3060	\$1,729.60
SVAC2E	1.7 cu ft	12" x 20" x 12"	18.5" x 27.8" x 25.3"	2	EA	586-3061	\$2,075.02

SHEL LAB® Digital Vacuum Ovens

Built with a stainless steel chamber for exceptional durability and constructed with seamless welds and strong bracing. The double plenum design meets CE safety requirements resulting in a cool outer surface. Our unique cross-flow ventilation forces inert gas to fill the entire chamber. To achieve required vacuum levels, users can choose from a 3/8 inch orifice or a KF25 fitting to withstand heavy use and minimize draw-down time. Maximum permitted end vacuum is 10 mTorr. Leak rate is 10 mTorr per hour. The doors on these units have positive latch handles with spring-loaded glass to facilitate a good vacuum seal without hinge binds that shorten the gasket life. Equipped with silicone gaskets. Other features include: capable of 40 step ramp and soak profiles, or 4 files with 10 steps per file, can achieve impressive vacuum levels, and built-in over temperature protection. Digital temperature and vacuum controls. Temperature range: ambient + 10°C to 220°C. Temperature uniformity: ±6% of set point. 120V (220V units are available). 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included	Unit	Stock#	PRICE
SVAC1	0.6 cu ft	9" x 12" x 9"	17.5" x 22.8" x 23.5"	3	EA	586-3062	\$3,879.97
SVAC2	1.7 cu ft	12" x 20" x 12"	20.5" x 29.5" x 26.3"	3	EA	586-3063	\$4,977.16
SVAC4	4.5 cu ft	18" x 24" x 18"	26.5" x 34.5" x 32.3"	3	EA	586-3064	\$9,627.54

SHEL LAB® Economy Gravity Convection Ovens

Features a gravity convection design for efficient heating. The double wall insulation and two inches of industrial fiberglass insulation help to minimize heat loss. The low watt density heater keeps temperatures uniform and keeps your energy consumption down. Key features include: three inch adjustable port, stainless steel shelves adjustable on 1/2", independent hydraulic over temperature safety, high temperature silicone door seal, no exposed heating elements, wrap-around insulation for excellent heat retention, durable powder coat paint exterior finish, and thermometer supplied. 115V (220V units are available). Temperature range: 8°C above ambient to 200°C. Temperature uniformity: ±4°C at 100°C. 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Unit	Stock#	PRICE
SGO1E	1 cu ft	12" x 12" x 12"	16" x 17.5" x 18.5"	1 (4)	EA	586-3030	\$919.41
SGO2E	2 cu ft	17" x 12" x 17"	21" x 17.5" x 23.5"	2 (4)	EA	586-3031	\$1,024.39
SGO4E	4 cu ft	17" x 17.5" x 22"	23.3" x 20" x 31"	2 (6)	EA	586-3032	\$1,096.35
SGO6E	6 cu ft	20" x 19" x 28"	25" x 24.5" x 37.8"	2 (8)	EA	586-3033	\$1,544.20

Prices subject to change.

SHEL LAB® Gravity Convection Ovens

Sure load shelf system, triple wall construction and easy-to-read microprocessor controls can be found in these SHEL LAB Gravity Convection Ovens! Adjust the air exhaust from the chamber without putting your fingers near the heat source. Even at temperatures of 225°C the outer skin of this unit meets all CE requirements, meaning your application will stay hot but your workspace will not. This gravity convection oven provides a degree of uniformity comparable to most forced air ovens on the market. The 99 min 59 hr digital timer has an independent control so its use is optional. Once the timer expires the power is cut to only the heating elements. Features include: non-tip shelves, superb temperature control, and cool touch damper. 115V (220V units are available). Temperature range; 15°C above ambient to 225°C. Temperature recovery: 11 mins at 150°C. Heat-up time: 36 mins at 150°C. 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Uniformity @ 150°C	Unit	Stock#	PRICE
SGO1	1.5 cu ft	13" x 13.7" x 14.5"	21.5" x 21.5" x 32"	2 (4)	±2°C	EA	586-3034	\$1,723.68
SGO3	3.4 cu ft	16.5" x 19.2" x 18.7"	26" x 27.5" x 35.5"	2 (8)	±4.5°C	EA	586-3035	\$2,062.32
SGO5	5.4 cu ft	19.2" x 20" x 25.7"	25.5" x 27.3" x 38"	2 (8)	±2°C	EA	586-3036	\$2,539.80

SHEL LAB® Economy Forced Air Ovens

Offers the benefits of mechanical convection but at an economical price. Three inch adjustable exhaust port, stainless steel shelves, adjustable on two inch increments, independent over temperature safety, high temperature silicone door seal, no exposed heating elements, wrap-around insulation for excellent heat retention, durable powder coat paint exterior finish, digital timer, thermometer and clip supplied. Two shelves included. 115V (220V units are available). Temperature range: 40°C to 200°C. Temperature uniformity: ±3.5°C at 100°C. Heat-up time 22 mins at 100°C. 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Unit	Stock#	PRICE
SMO1E	1.7 cu ft	17" x 10.5" x 16.7"	21.8" x 19" x 24"	EA	586-3040	\$1,192.01
SMO3E	3.5 cu ft	17.5" x 15.7" x 22"	20.5" x 26" x 31.7"	EA	586-3041	\$1,655.95
SMO5E	5.6 cu ft	20" x 17.5" x 28"	24" x 36.3" x 38.3"	EA	586-3042	\$2,001.36

SHEL LAB® Forced Air Ovens

Incorporates the sure load shelf system, triple wall construction, and easy-to-read microprocessor controls. Users can adjust the air exhaust from the chamber without being near the heat source. Even at operating temperatures of 225°C, the outer skin of this unit meets all CE requirements, so workspaces remain cool. The 99 hr 59 min digital timer has an independent control, so its use is optional. Once the timer expires, the heating elements turn off while the blower continues running to cool the samples inside the oven. Whatever the application, these forced air ovens deliver precise uniformity, air distribution and the peace of mind expected from the SHEL LAB brand. All ovens in this series are CE approved. Features include: non-tip shelves, microprocessor controls, horizontal air flow, and cool touch damper. 115V (220V units are available). Temperature range: 15°C above ambient to 225°C. Temperature uniformity: ±2.5°C at 150°C. Temperature recovery: 8 mins at 150°C. Heat-up time: 36 mins at 150°C. 2-year limited warranty. Made in the USA.



SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Unit	Stock#	PRICE
SMO1	1.5 cu ft	13" x 13.7" x 14.5"	21.5" x 21.5" x 32"	2 (4)	EA	586-3043	\$2,094.49
SMO3	3 cu ft	16.5" x 19.2" x 16.5"	26" x 27" x 35.5"	2 (8)	EA	586-3044	\$2,232.48
SMO5	5 cu ft	21" x 19.2" x 21"	30.5" x 27.5" x 40"	2 (8)	EA	586-3045	\$3,046.76

More Ovens, Vacuum Pumps & Accessories on the next page...

Call Customer Service at 800-826-8302

OVENS, VACUUM PUMPS & ACCESSORIES

SHEL LAB® Large Capacity Forced Air Ovens

Economical oven space with forced blower-assisted airflow design. Offers excellent temperature uniformity and fast recovery. The independent over temperature safety feature is user adjustable and provides added safety. A turbo blower and heavy-duty motor combine to direct air over the shelves and samples for even, constant drying, curing and baking. These units are especially ideal for glassware drying. Some features include: three inch adjustable exhaust port, stainless steel shelves, high temperature silicone door seal, no exposed heating, wraparound insulation, and a durable powder coat paint exterior finish. 220V. Temperature range; 15°C above ambient to 260°C. Temperature uniformity: $\pm 3.5^{\circ}\text{C}$ at 150°C. Temperature recovery time: 10 mins at 150°C. Heat-up time: 24 mins at 150°C. 2-year limited warranty. Made in the USA.



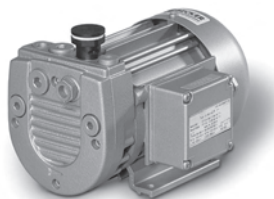
SHEL LAB®

Model	Capacity	Chamber (w x d x h)	Exterior (w x d x h)	Shelves Included (Max)	Unit	Stock#	PRICE
SMO14-2	13.7 cu ft	30.7" x 24.7" x 31"	37.8" x 34" x 48"	3 (8)	EA	586-3046	\$4,075.53
SMO28-2	27.5 cu ft	30.7" x 25" x 62"	37.5" x 35" x 78.3"	6 (16)	EA	586-3047	\$5,474.12

Oil-Less Vacuum Pump

Ideal for lab applications requiring low vacuum capacity, this rotary vane vacuum pump fits the bill. 100% oil-less. Operation is cool, as well as quiet. Vacuum regulators and discharge silencers are included.

- Flow (SCRM @ 0 in. Hg): 2.8.
- Maximum Vacuum: 25.5 in/Hg.
- HP: 0.32.



Unit	Stock#	PRICE
EA	134-3044	\$739.81

Oil-Flooded Vacuum Pump

The Becker U 4.20 is a oil-flooded rotary vane vacuum pumps. It is designed to operate on a continuous basis, and is intended for operation from about 275 torr (19"HgV) to their ultimate pressure of 0.7 torr (29.9"HgV). The U 4.20 pump is an extremely compact, direct drive unit supplied with a TEFC electric motor. Each pump is supplied with an exhaust box that includes an oil supply and several stages of oil separation. The oil separators ensure a clean, oil-free exhaust. The Becker U 4.20 pump has a reputation for being exceptionally quiet.

- Flow (SCFM @ 0 in. Hg): 12.4.
- Ultimate Vacuum (Torr): 0.7.
- Horsepower: 0.9.



Description	Unit	Stock#	PRICE
Vacuum pump, model U4.20	EA	134-3211	\$3,142.13

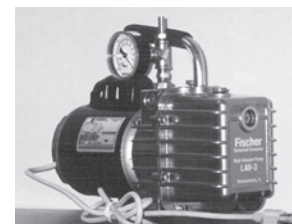
Accessories

Vacuum pump oil	QT	134-3207	\$19.05
Vacuum pump air filter	EA	134-3204	\$22.92
Vacuum pump oil filter	EA	134-3205	\$94.10
Vacuum pump oil separation element (for U4.20 pump)	EA	134-3215	\$74.27

High Vacuum Pump

This direct drive vacuum pump from Fischer Technical Company provides the best performance/cost ratio available today. Able to support vacuum ovens and other demands for your lab. Features: two-stage pump, rotary sliding oil vanes, gas ballast, 0-30 Hg gauge.

Ready to operate, complete with initial supply of high vacuum pump oil. Specifications: 85 liters (3 cu.ft.) per minute, 1725 RPM, 1/2 HP, 3/8" OD intake port. Operating temperature (ambient air) 30° to 170°F. Optional exhaust filter threads onto handle. 110V. 2-year parts and labor warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
LAV-3/G	High vacuum pump	EA	700-3528	\$693.65

Accessories

OIL-012	Vacuum pump oil	QT	700-3512	\$8.84
LAV-EF	Exhaust filter	EA	700-3533	\$51.99
GA-RUBGAS	Replacement gasket, rubber, for plate	EA	700-3515	\$11.75
GA-001	Cast iron plate	EA	700-3511	\$227.39
AP-001	Acrylic plate	EA	700-3527	\$102.33

TYGON® R-3603 Vacuum Tubing



Clear vacuum tubing with extra-heavy walls and low vapor pressure. Withstands full vacuum at normal room temperatures up to 27" Hg at 60°C. Very chemical resistant and will not swell closed if vacuum pump oil backs up into the tubing.

ID	OD	Wall	Pkg	Unit	Stock#	PRICE
1/4"	5/8"	3/16"	50'/roll	FT	155-3970	\$10.44

Prices subject to change.

OVEN & MOISTURE TESTING ACCESSORIES

Black Rubber Pressure and Vacuum Tubing



ID	OD	Wall	Pkg	Unit	Stock#	PRICE
3/8"	7/8"	1/4"	FT	FT	155-3982	\$10.87
1/2"	1"	1/4"	12 ft/pk	PK	220-3379	\$162.47
5/8"	1 3/8"	3/8"	12 ft/pk	PK	220-3381	\$137.09

Reusable Moisture Dish with Lid



Heavy-duty aluminum dishes with indented lids. Stackable. Meet APHA/AOAC standards. 10/tube.

Size	Unit	Stock#	PRICE
57 mm x 30 mm	TB	203-3006	\$14.23

Disposable Aluminum Dishes



Versatile round aluminum dishes can be used as an evaporating dish, weighing dish, parts container, dust cover, and more. Flat bottom to improve sample handling. Features include crimped sides for rigidity, sturdy gauge aluminum for heavy-duty use and tabs for sample numbers. #201-3011 has smooth walls and slightly protruding lip for easy separation. 100/box; 10 boxes/case.

Size	Unit	Stock#	PRICE
43 mm	BX	021-3004	\$4.77
57 mm	BX	021-3005	\$5.71
70 mm	BX	021-3006	\$7.98
70 mm	BX	021-3011	\$8.86

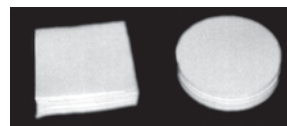
Disposable Aluminum Moisture Dish



Deeper than regular moisture dishes. They work great for minimizing errors due to spattering when testing high fat or large samples for moisture. Sturdy for heavier samples. 57 mm. 100/box.

Unit	Stock#	PRICE
BX	181-3005	\$6.61

Glass Fiber Pads



Great for moisture testing. Pads prevent fat loss due to spattering.

Size	Pkg	Description	Unit	Stock#	PRICE
Circles					
5.5 cm/2 3/8" dia	100/pk	S&S	PK	585-3020	\$46.44
5.5 cm/2 3/8" dia	100/pk	Whatman	PK	741-3020	\$44.94
9 cm/3" dia	200/pk	Van Note	PK	187-3082	\$30.57
11 cm/4" dia	200/pk	CEM	PK	187-3003	\$42.29
Squares					
11 x 11 cm/4" x 4"	400/pk	CEM	PK	187-3004	\$25.78
11 x 11 cm/4" x 4"	400/pk	Van Note	PK	187-3104	\$35.45

Drierite® Drying Unit

Clear polycarbonate canister unit dries air or gas at pressures up to 90 psig. Add up to 1-1/4 lbs. of Drierite (#154-3242) or silica gel (#154-3805). It provides a capacity of over 50 grams of water vapor. Maximum flow rate, 200 liters/hour. Includes: connections for tubing, desiccant support, plated steel coil spring, two filters, and Drierite. Hose barbs for 1/4" to 3/8" ID flexible tubing. Anodized aluminum cap.



Description	Unit	Stock#	PRICE
Drying unit	EA	155-3105	\$80.57
Drierite felt pad	EA	293-3005	\$2.25

Visit our website at
nelsonjameson.com

Call Customer Service at 800-826-8302

DESICCATORS & ACCESSORIES**Clear Plastic Desiccators**

Strong, shatterproof desiccator made of clear polycarbonate. The space-saving design provides an average of 13% greater interior volume than standard hemispherical domes. Polypropylene plate is perforated for air transfer and rests on retaining ledge of the bottom section. A polypropylene stopcock with a Teflon® TFE plug which turns, allowing a slow, gentler entrance of air, preventing unnecessary turbulence and crucible damage. The stopcock is a highly visible red and has a port which accepts 6.4 mm (1/4") ID tubing. Center hole provides for easy removal. Includes cover.



ID	Unit	Stock#	PRICE
140 mm	EA	010-3356	\$73.07
230 mm	EA	010-3010	\$127.18

Glass Desiccator

Hand-made of extra heavyweight glass. Ground-on knob makes the cover easy to handle. Plate sold separately.

Description	ID	Unit	Stock#	PRICE
Desiccator w/cover	250 mm	EA	156-3310	\$315.83
Replacement cover	250 mm	EA	156-3320	\$91.60
Desiccator plate	230 mm	EA	156-3814	\$120.59

Glass Desiccator with Porcelain Plate

Desiccator and cover are constructed of heavy, annealed glass for durability. Porcelain plate is glazed on one side and has large center hole for easy removal. Desiccant-holding chamber below plate has straight sides. Cover forms airtight seal when grease is applied to internal edge of flanges. 200 mm ID.

Description	Unit	Stock#	PRICE
Desiccator w/plate and cover	EA	156-3311	\$220.66
Replacement cover	EA	220-3315	\$93.37

Disposable Desiccant Cartridges

This clear polystyrene dish allows instant visual inspection of silica gel which changes from blue to pale pink as it works to absorb moisture. A highly porous membrane covers the dish of the desiccant, providing excellent absorption. Easily regenerated by heating cartridges in a 50°C oven overnight. For use in desiccator cabinets or non-vacuum desiccators, analytical balance cases and precision laboratory instruments. 65 mm (2-1/2") diameter. 6/pack.



Unit	Stock#	PRICE
PK	010-3048	\$72.58

Silica Gel Indicating Desiccant

Silica gel is extremely efficient in absorbing large volumes of liquids, water, hydrocarbons, ketones, steroids, esters, and inorganic acids. It is an inert, odorless, non-poisonous, highly porous form of nearly pure silica. Blue color changes to pink as it absorbs moisture. Regenerated by heating 175° to 250°C. Granular 10-18 mesh.

Size	Unit	Stock#	PRICE
500 g	JR	154-3805	\$49.58
2.5 kg	BO	220-3807	\$253.80

Drierite® Indicating Desiccant

Eliminate problems caused by humidity with Drierite. This anhydrous calcium sulfate is an all-purpose desiccant for drying air, gases, refrigerants, organic liquids, mixed solvents, or atmosphere in storage spaces or packages. Non-poisonous. Absorbs 10 to 14% by weight when drying gases. Changes from blue to red to show absorption of moisture. Regenerated by heating. 8 mesh. 4/case.



Size	Unit	Stock#	PRICE
5 lb	JR	154-3242	\$78.39

**Quality Products.
Outstanding Service.
Industry Expertise.
That's Nelson-Jameson, Inc.**

MOISTURE BALANCES & ACCESSORIES

Ohaus® MB45 Halogen Moisture Analyzer

Designed to quickly, effectively and affordably measure moisture content, the Ohaus MB45 moisture analyzer incorporates state-of-the-art halogen heating with accurate weighing technology to give you a faster and more precise method of moisture testing. The halogen heating element performs up to 40% faster than infrared drying methods and allows you to heat from 50° to 200°C in seconds in 1° increments. 3.5" platform size. 2-year warranty.



- Integrated database stores up to 50 drying procedures — increasing productivity.
- Four selectable auto drying programs or easy one step drying — simply set the temperature and time.
- LCD display shows % moisture, % solids, temperature, time, and drying curve.
- Log results with optional printer or send to computer via RS232 connection.
- Features a capacity of 45 g, with a readability of 0.001 g and repeatability to 0.01%.

Mfg Part #	Description	Unit	Stock#	PRICE
MB45	Halogen Moisture Analyzer	EA	500-3008	\$3,710.25
Accessories				
80850087	Ohaus glass fiber pads, 9 cm, 200/box	BX	500-3010	\$66.60
80850086	Sample pan for liquid samples 80/pk	PK	500-3086	\$40.50
AS017-09	Data printer cable, 9 pin	EA	500-3950	\$129.60
12120799	Data printer paper, 1 roll/pk	PK	500-3799	\$12.00
11113857	Temperature calibration kit	KT	500-3009	\$388.80
214417	Halogen heating element	EA	500-3013	\$398.70

Ohaus® MB35 Halogen Moisture Analyzer

The MB35 is a popular model for moisture determination, leading the industry in performance and value. The intuitive software establishes a simple user interface with simple 3 key navigation for easy setup. Offers a straightforward one step testing procedure, just enter time and temperature and begin. 2-year warranty.



- LCD display shows % moisture, actual weight, actual temperature and test length.
- Operating temperature range is 50° to 160° C in 5° increments.
- Features a maximum sample capacity of 35 g, with a readability of 0.002 g and repeatability to 0.02%.

Mfg Part #	Description	Unit	Stock#	PRICE
MB35	Halogen Moisture Analyzer	EA	500-3014	\$3,250.40

Ohaus® MB25 Halogen Moisture Analyzer

Compact, easy-to-use, and economical for routine tasks performed by operators of all skill levels. The MB25 provides accurate results and is ideal for food processing, wastewater, and other applications. Temperature range: 50° to 160°C in 5° increments. Capacity: 110 g. Readability: 0.005 g. Repeatability to 0.05%. 1-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
MB25	Basic model, halogen lamp	EA	500-3025	\$2,791.40

METTLER TOLEDO HB43-S Moisture Analyzer

Rugged design, easy-to-use and simple to clean, the HB43-S Halogen Moisture Analyzer combines METTLER TOLEDO halogen heating technology with analytical power for fast and reliable moisture analysis in production environments. Switch between two drying methods at the click of one button. Choose from more than 100 ready-to-use programs to simplify method development and start measuring immediately, or edit settings to match your needs. Results correspond to official reference methods. Capacity: 54 g x 0.001 g. Readability (% moisture): 0.01%. Repeatability with 10 g sample: 0.03%.



Mfg Part #	Description	Unit	Stock#	PRICE
HB43-S	Halogen Moisture Analyzer	EA	340-3343	\$4,338.00
13865	Foil pans, 4" wide, 80/box	BX	340-3865	\$88.20



Call Customer Service at 800-826-8302

MOISTURE BALANCES & ACCESSORIES

A&D Moisture Analyzers

Straight halogen lamp and uniquely designed Secondary Radiation Assist (SRA) filter gives shorter measurement time, due to fast and uniform heating. With Super Hybrid Sensor (SHS) featured as the weight sensor, accurate moisture content determination is possible. Measurement conditions can be stored and recalled, saving time and limiting user error. Five measurement programs are built into the unit, giving you the flexibility to measure moisture as desired. ID and data memory, RS-232C bi-directional interface, and WinCT-Moisture software included for MX-50 model. 5-year warranty.



Mfg Part #	Description	Capacity (g)	Readability (g)	Accuracy (1 g)	Accuracy (5 g)	Unit	Stock#	PRICE
MX-50	MX-50	51	0.001	.1%	.02%	EA	008-3050	\$2,829.34
MF-50	MF-50	51	0.002	.2%	.05%	EA	008-3025	\$2,295.68

Accessories

Sample pans, disposable, 100/bx

BX **008-3030** **\$50.01**

Sample pans, reusable, 100/bx

BG **008-3031** **\$92.00**

Glass fiber pads, 100/bx

BX **008-3032** **\$50.01**

In-use protective cover, 5/pk

EA **008-3038** **\$40.00**

Dust cover

EA **008-3039** **\$16.00**

Sample Pans/Dishes for Moisture Balances



Cenco® Mechanical Moisture Balance Accessories



Use With	Pkg	Unit	Stock#	PRICE
Ohaus, METTLER TOLEDO HB43-S	50/bx, 10 bx/ca	BX	500-3011	\$16.15
Ohaus, METTLER TOLEDO HB43-S	50/bx, 10 bx/ca	CA	187-3062	\$114.29
Ohaus MB200	100/pk, 10 pk/ca	PK	500-3012	\$20.25
Ohaus, METTLER TOLEDO HB43-S, for liquid samples	80/pk	PK	500-3086	\$40.50

Description	Pkg	Unit	Stock#	PRICE
-------------	-----	------	--------	-------

Moisture Balance Dishes

Pans for solids, 4.5"	25/bx, 10 bx/ca	BX	191-3005	\$8.12
Pans for liquids, 4.5"	25/bx, 10 bx/ca	BX	191-3030	\$8.42

Replacement Parts For Cenco Moisture Balance

Retainer pan		EA	107-3004	\$46.05
Torsion wire, 5 g		EA	107-3007	\$6.39
Lamp, 125 Watt		EA	107-3025	\$37.13
Lamp, 250 Watt		EA	107-3026	\$47.89

CEM Trac Film

CEM's proprietary Trac Film is proton-free specifically designed to be used with the SMART Trac (which is used for fat and moisture analysis) and will not interfere with NMR (nuclear magnetic resonance) analysis. Manufactured to the highest standards to ensure accurate results.

Component	Unit	Stock#	PRICE
5" x 5" sheets, 600 each/rl	RL	187-3875	\$481.11

Prices subject to change.

WATER ACTIVITY

Rotronic Water Activity Meters

Rotronic Water Activity (aw) Meters offer the perfect solution for determining water activity by direct measurement in cheese, meat and other food products for qualitative analysis of product stability, shelf life, handling, physical characteristics and chemical stability. These aw meters are also used for powders, grains, pharmaceutical products, animal feed, seed, and more. Rotronic meters display 0.01 to 1.00 aw. Meets FDA 21 CFR part 11 and are GAMP5 compliant. 1-year warranty.

Rotronic HygroPalm 23-AW-A Water Activity Meter

The HygroPalm Water Activity Meter is a mobile, convenient and portable instrument to confirm product stability and indicate shelf life. It includes many advanced features in a handheld design specially configured to suit the water activity user. Two sample cup sizes are available: 14mm deep for small products (powders, grains) and 40mm deep for larger products (typically ready-to-eat products such as cheese, meat, etc.). 1-year warranty.

Features Include:

- 2 input channels for HC2-aw station probes or HC2 insertion probes for measurement of water activity, relative humidity and temperature.
- aw Quick function for fast measurement results (typically 4-5 minutes).
- Audible alarm to indicate completed measurement.
- Saves up to 10,000 data records with Aw, %RH, temperature C/F, date and time.
- Battery charging function.

Order meter only or as a kit. Kit includes: PH23-aw-A meter, HC2-aw probe, carry-case, WP40S dual cup holder, PS14 14mm sample cups (100ea) standard (or sub PS40 sample cups at time of order), certified humidity standards (5 each) 35%RH/0.35aw and 80%RH/0.80aw.



Mfg Part #	Description	Unit	Stock#	PRICE
HP23-AW-A Set	Portable Water Activity Kit	ST	574-3140	\$2,950.00
HP23-AW-A	Portable Meter Only	EA	574-3141	\$1,295.00

Rotronic HygroLab C1 Water Activity Meter

The HygroLab C1 is a high-end benchtop laboratory device for water activity measurements with up to four probes. Connect station probes and insertion probes for measuring water activity in cheese, meat, pharmaceutical products, and much more.

Features include:

- 4 input channels for HC2-aw station probes or HC2 insertion probes.
- aw Quick function for fast measurement (typically 4-5 minutes).
- Audible alarm to indicate completed measurement.
- Saves up to 2,000 data records with aw, %RH, temperature C/F, date and time.

Order meter only or as a kit. Kit includes: HygroLab C1 meter, HC2-aw probe, WP40S dual cup holder, PS14 14mm sample cups (100ea), PS40 40mm sample cups (100ea), certified humidity standards (5 each) 0.5%RH/0.005aw, 10%RH/0.1aw, 35%RH/0.35aw and 80%RH/0.80aw.



Mfg Part #	Description	Unit	Stock#	PRICE
HygroLab C1 Set	Benchtop Water Activity Kit	ST	574-3120	\$5,950.00
HygroLab C1	Benchtop Meter Only	EA	574-3121	\$3,750.00

Rotronic Water Activity Insertion Probes

Used for direct measurement of water activity in bulk samples. Applications include powders, granules, grain and cereals. HC2-HP insertion probes feature a robust 10mm diameter stainless steel probe with replaceable sintered steel dust filter for measurement in dust bulk material. For dust free applications the HC2-PO5 fits perfectly with its laser cut slots.

Mfg Part #	Description	Unit	Stock#	PRICE
HC2-AW-Set	Water Activity Probe Set. Includes HC2-aw station probe, WP40S dual cup holder, PS14 & PS40 cups	ST	574-3130	\$1,750.00
HC2-AW	HC2-aw station probe	EA	574-3122	\$1,495.00
HC2-HP28	Insertion probe, 10mm x 280mm	EA	574-3131	\$1,195.00
HC2-PO5	Insertion probe, 5mm x 200mm	EA	574-3133	\$1,095.00

Call Customer Service at 800-826-8302

WATER ACTIVITY ACCESSORIES

Rotronic Water Activity Meter Accessories

Mfg Part #	Description	Unit	Stock#	PRICE
PS14	14mm cups, 100/pk	PK	574-3123	\$125.00
PS40	40mm cups, 100/pk	PK	574-3124	\$140.00
WP40S	Dual 14mm/40mm cup holder with insert	EA	574-3125	\$185.00
W24	Spare wire mesh filter, HC2-AW probe	EA	574-3126	\$30.00
AC1212	Power Adapter, HP Series	EA	574-3127	\$60.00
AC1211	Power Adapter, Hygro-Lab C1	EA	574-3128	\$60.00
AC1124	Carry-case, HP23 Portable Meter	EA	574-3129	\$240.00

Rotronic Water Activity Meter Certified Humidity Standards

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
EA00-SCS	0.5%RH	5 vials/bx	BX	574-3150	\$120.00
EA05-SCS	5%RH	5 vials/bx	BX	574-3151	\$120.00
EA10-SCS	10%RH	5 vials/bx	BX	574-3152	\$120.00
EA20-SCS	20%RH	5 vials/bx	BX	574-3153	\$120.00
EA35-SCS	35%RH	5 vials/bx	BX	574-3154	\$120.00
EA50-SCS	50%RH	5 vials/bx	BX	574-3155	\$120.00
EA65-SCS	65%RH	5 vials/bx	BX	574-3156	\$120.00
EA75-SCS	75%RH	5 vials/bx	BX	574-3157	\$120.00
EA80-SCS	80%RH	5 vials/bx	BX	574-3158	\$120.00
EA95-SCS	95%RH	5 vials/bx	BX	574-3159	\$120.00

Equipment Repair Service

Nelson-Jameson can help save you money by offering repairs on a wide range of equipment and parts that you use daily. Options include repair, refurbish, rebuild and recertification. We even offer exchange-for-new on select items in our Process-Systems Department. Some repairs can be done at our facility, helping reduce your costs and down-time.

Please call for more information or an estimate on our repairable items below.

EQUIPMENT REPAIR

Centrifugal Pumps
Positive Displacement Pumps
Valves

PARTS REPAIR & EXCHANGE

Backplates
Pump Covers
Rotors
Valve Bodies
Valve Stems

REPAIR AND INSTRUMENTATIONEXCHANGE

Pressure Gauges
Homogenizer Gauges
Thermometers
Electromagnetic Flowmeters
Turbine Flowmeters
Coriolis Flowmeters
Chart Recorders
Level Transmitters
Pressure Transmitters
Temperature Transmitters

HOSE END REATTACHMENT

Sanitary Food Grade
Strahman
Washdown

LAB EQUIPMENT REPAIR

Chloride Analyzer
pH Meters
Luminometers
Air Samplers
Stomachers
Cryoscopes
Balances & Scales
Moiutre Balances
Digital Thermometers
Centrifuges
Refractometers
Pipettors

LAB RECERTIFICATION

Calibration Weights
Digital Thermometers
Glass Thermometers

***If you have a repair need,
but do not see it listed,
please call us and we may
be able to help!***

HOT PLATES, STIRRERS & ACCESSORIES

Thermo Scientific Cimarec+™ Hotplates/Stirrers

The new Cimarec+ series of digital stirrers, hot plates, and stirring hotplates are designed to provide precise stirring control, exceptional safety and temperature performance for your routine protocols.

Features:

- Top plate choices in ceramic or aluminum.
- Easy-to-read LED display for heating and stirring.
- Raised display design protects electronics from spills.
- Three different sizes for different sample volumes.
- Stir bar comes standard with stirrer and stirring hotplate models.
- StirTrac™ features innovative engineering for slow-speed stirring, consistent speed control, and strong magnetic coupling.
- Temperature adjustable in 1 degree increments.
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F).

Thermo
SCIENTIFIC



Surface Type	Surface Size	Stir Range (RPM)	Max Surface Temp	Volts/Hz	Unit	Stock#	PRICE
Hotplates							
Ceramic	4" x 4"	N/A	540°C	100-120V, 50/60Hz	EA	038-3401	\$257.99
Ceramic	7" x 7"	N/A	540°C	100-120V, 50/60Hz	EA	038-3404	\$279.99
Aluminum	7" x 7"	N/A	300°C	100-120V, 50/60Hz	EA	038-3407	\$361.99
Ceramic	10" x 10"	N/A	400°C	100-120V, 50/60Hz	EA	038-3410	\$465.99
Stirrers							
Ceramic	4" x 4"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3402	\$281.99
Ceramic	7" x 7"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3405	\$292.99
Aluminum	7" x 7"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3408	\$381.99
Ceramic	10" x 10"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3411	\$490.99
Hotplate Stirrers							
Ceramic	4" x 4"	50-1500	540°C	100-120V, 50/60Hz	EA	038-3403	\$443.99
Ceramic	7" x 7"	50-1500	540°C	100-120V, 50/60Hz	EA	038-3406	\$488.99
Aluminum	7" x 7"	50-1500	300°C	100-120V, 50/60Hz	EA	038-3409	\$583.99
Ceramic	10" x 10"	50-1500	400°C	100-120V, 50/60Hz	EA	038-3412	\$640.99

Thermo Scientific SuperNuova+™ Hotplates/Stirrers

The SuperNuova+ series stirrers, hotplates and stirring hotplates are designed to provide reliable performance, dependable safety and simple operation.

Features:

- Top plate choices in ceramic or aluminum.
- Easy-to-read LED display for heating and stirring.
- Raised display design protects electronics from spills.
- Ability to set programs (ramp/dwell) as well as save settings.
- Stainless steel PT1000 temperature probe, supporting rod and clamp kit included with both hotplate and stirring hotplate.
- Stir bar comes standard with stirrer and stirring hotplate models.
- StirTrac™ features innovative engineering for slow-speed stirring, consistent speed control, and strong magnetic coupling.
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F).

Thermo
SCIENTIFIC



Surface Type	Surface Size	Stir Range (RPM)	Max Surface Temp	Volts/Hz	Unit	Stock#	PRICE
Hotplates							
Ceramic	7" x 7"	N/A	450°C	100-120V, 50/60Hz	EA	038-3420	\$825.99
Ceramic	10" x 10"	N/A	400°C	100-120V, 50/60Hz	EA	038-3423	\$1,115.99
Stirrers							
Ceramic	7" x 7"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3421	\$889.99
Ceramic	10" x 10"	50-1500	N/A	100-120V, 50/60Hz	EA	038-3424	\$1,115.99
Hotplate Stirrers							
Ceramic	7" x 7"	50-1500	450°C	100-120V, 50/60Hz	EA	038-3422	\$994.99
Ceramic	10" x 10"	50-1500	400°C	100-120V, 50/60Hz	EA	038-3425	\$1,388.99

Call Customer Service at 800-826-8302

HOT PLATES, STIRRERS, CENTRIFUGE & ACCESSORIES

Scienceware® Battery Operated Magnetic Stir Plate

Ideal for field use where no electricity is available or when you do not want additional electrical cords cluttering your lab counters. It is portable, lightweight and operated on just two D size batteries (sold separately). Can be used for over 24 hours of continuous operation and will mix up to 1 liter with a maximum stirring speed of 900 rpm. Made of polypropylene. 9-1/4" x 5" x 3-1/2"H.



Unit	Stock#	PRICE
EA	010-3017	\$277.27

ThinSpin™ Magnetic Stirrer

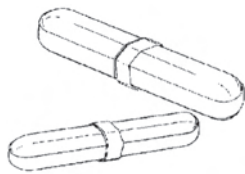
Ultra-thin and lightweight. Pre-set speed is 15 rpm, but speed can be adjusted in increments of 15 rpm up to 1500 rpm. Spin direction can easily be alternated clockwise or counter-clockwise by pressing the reverse button. The low profile enables it to be used and stored in tight spaces such as fume hoods or in cabinets. The unit only weighs 0.5 pounds with a maximum load of 4.4 pounds. It can stir liquids, solutions and media up to 500 mL. Water-proof and resistant to most laboratory chemicals. CE marked and has an IP rating of DIN EN 60529. Two-year warranty included.



Stirring Range	Plate Dimensions	Unit	Stock#	PRICE
15 to 1500 rpm	6.9"x 4.9"x 0.8"D	EA	524-3100	\$219.29

Scienceware® Stir Bars

Teflon® coated stir bars for daily stirring tasks around the lab. Seamless, leakproof and polished for minimum friction.



Length	Diameter	Unit	Stock#	PRICE
Standard Polygon				
1"	3/8"	EA	373-3350	\$5.81
2"	3/8"	EA	373-3351	\$9.23
Octagon				
1"	3/8"	EA	373-3352	\$5.76
1 1/8"	3/8"	EA	010-3345	\$4.91
1 3/8"	3/8"	EA	373-3353	\$6.84
1 1/2"	3/8"	EA	373-3354	\$6.84
1 7/8"	3/8"	EA	373-3355	\$8.64
2"	3/8"	EA	373-3356	\$9.23
3"	3/8"	EA	010-3346	\$18.94

Prices subject to change.

Scienceware® Stir Bar Retriever

Ideal pickup rod. This polyethylene magnetic stir bar retriever has an Alnico® magnet sealed in one end, with a hang-up ring on the other end. 3/8" x 12".



Unit	Stock#	PRICE
EA	155-3812	\$13.37

**Scienceware® Spinbar® Magnetic Stir Bar Garage**

Maintain organization and accessibility of your magnetic stir bars with a Spinbar® Stir Bar Garage. Can sit on your counter or be wall mounted. The epoxy-coated wire construction aids in simple cleaning and excellent chemical resistance. Accommodates stirring bars sizes from 10 mm up to 159 mm.

Wires on the upper half of the rack are arranged closer together to capture the smaller size bars, while the lower half is designed for the larger sizes. The wire ledge on the bottom can hold small lab tools and also keeps stir bars from accidentally falling off. Dimensions: 25.6 x 10 x 31 cm (10.3 x 4 x 12.3").



Unit	Stock#	PRICE
EA	010-3111	\$41.17

Ohaus® Frontier™ 5306 Mini Centrifuge

A powerful mini centrifuge for simple and rapid liquid separation. The Frontier 5306 includes an eight-position 1.5/2 mL tube rotor as well as a four-position, eight-strip PCR tube rotor that can accommodate 32 individual PCR tubes or 0.2 mL strip tubes. With the included adapters, 0.2 mL and 0.5 mL strip tubes can also be accommodated in the 8 position tube rotor, further increasing its versatility. Also, has a quick release design in which the rotors can be removed and installed without the use of any tools.

With a low-voltage power input, quiet brushless motor and a rubber base that absorbs vibrations, the Frontier 5306 minimizes operational noise and reduces disruptions in the laboratory. Designed with operator safety in mind, and includes a rotor imbalance sensor and two safety switches which immediately stop the rotors should the lid open during use. Simple one-step operation to a new level. Simply place your sample in the centrifuge, close the lid, and it will begin to rotate without the press of a button. The centrifuge provides quiet, safe, and easy operation for your everyday quick spin-down applications.



Mfg Part #	Capacity	RPM	Unit	Stock#	PRICE
FC5306	8 x 1.5/2.0 mL	6000rpm	EA	500-3901	\$290.00

VORTEX MIXERS & MICROSCOPES

Boekel Tap Dancer Vortex Mixer

Saving space with its low profile and small footprint design, this mini tube vortex mixer also has low voltage supply for safe cold room use. Pressure sensitive cup, continuous or touch operation. 300 to 6000 rpm/continuous or burst. For tubes up to 20 mm diameter. AC adapter included. 2-year warranty.

Model	Size	Unit	Stock#	PRICE
270100	4"W x 6"L x 3½"H	EA	068-3010	\$208.55



Nikon Eclipse E200 Compound Microscope with LED Illumination

Need a professional quality microscope? We highly recommend the Nikon E200 Eclipse. Call Nelson-Jameson to discuss your food and dairy laboratory needs and to obtain more information about this exceptional microscope. The microscope is an invaluable tool for dairy and food laboratories as a variety of procedures require a microscope: DMC, somatic cell, fat globule, ice crystal, evaluation of starter cultures, and immediate microbiological assessment of incoming product.

An absolutely indispensable tool for today's food and dairy laboratories. Nikon incorporates premium features in the E200 at a significantly lower price than many comparable instruments. The streamlined design is attractive, comfortable to operate, and provides greater durability under constant use. Packed with advanced features, the E200 has the quality and versatility of an outstanding microscope in a compact design, all at an attractive price.

- Ocular Head: Binocular (Trinocular available).
- Objectives: 4X, 10X, 40X, and 100X (oil immersion).
- Eyepieces: Focusable 10X wide field.
- Nosepiece: Quadruple ball-bearing revolving objective changer.
- Condenser: ABBE 1.2 NA (numerical aperture) works with 4X to 100X objective lenses.
- Light source: 6V, 20W LED bulb located in microscope base.

Accessories: Immersion oil, bulbs, fuses and cover. Warranty: 5-year parts and labor. Parts inventory is maintained for 20 years.



Model	Description	Unit	Stock#	PRICE
MCA762DD	Eclipse E200 Microscope set, 120V	EA	232-3010	\$2,038.00
E200 Phase	E200 Microscope, 120V w/binocular phase package	EA	232-3999	\$3,887.28
Accessories				
79099	Halogen lamp, 6V/20W	EA	232-3004	\$16.00
92398	Carry case	EA	232-3011	\$113.99
77046050	Reticle, 10 mm x 10 mm grid, 400 squares 0.5 x 0.5 mm, 27 mm dia.	EA	232-3050	\$79.21
MXA22061	Dust cover, binocular scope	EA	232-3009	\$16.00
51912	Dust cover, trinocular scope	EA	232-3008	\$16.00
MXA20415	Cord hanger	EA	232-3005	\$16.00
	Immersion oil, 4-oz	EA	100-3442	\$18.64

Nikon Eclipse E100 Biological Microscope

Nikon designed this infinity corrected microscope to provide outstanding optical performance with elegant ergonomic touches, occupying a very small footprint. The Eclipse E100 fits easily into minimum storage space. Revolutionary CFI optics achieve flat and sharp images right up to the periphery of the view field. With phase contrast option as well as brightfield, the Eclipse E100 is the perfect choice for routine laboratory use.

Features: anti-mold design, smooth rotation quadruple nosepiece, double-plate mechanical stage, coaxial coarse/fine focus knob, easy-to-replace LED lamp. Includes E1-CFI 10X eyepiece with diopter adjustment (18 mm field of view), guide-marked ABBE condenser, 33 mm blue filter, 4X, 10X, 40X NA (numerical aperture) objectives, 100X oil immersion objective, and immersion oil.

Accessories: phase condenser/attachment for phase contrast and darkfield observations, ABBE condenser for brightfield observations, E2-TB binocular and E2-TF trinocular tubes, storage case. Optional digital camera system (trinocular eyepiece tube required).

Model	Description	Unit	Stock#	PRICE
90451	E100 Microscope, 120V with binocular phase package	EA	232-3451	\$2,091.70



Call Customer Service at 800-826-8302

MICROSCOPE ACCESSORIES

Microscope Bulbs

Replacement bulbs for indicated microscopes.

Description	Unit	Stock#	PRICE
For Laboval, 6V, 20W	EA	079-3005	\$17.50
For AO, 6.5V, 2.75 amp	EA	155-3055	\$11.89
For AO, 120V, 30W	EA	155-3056	\$4.18

Lens Paper

100% lint-free optical grade tissue. For cleaning optical instruments and lenses. Bound in book form. 4" x 6" sheets. 50 sheets/pad. 12 pads/pack.

Unit	Stock#	PRICE
PD	155-3525	\$4.75

Microscope Slides

Premium slides 3" x 1" made of clear glass with ground and polished edges. Plain slides are 1 mm thick.

Frosted slides are 1.3 mm thick with one end frosted to make it easy to mark and read. 72/box.

Description	Unit	Stock#	PRICE
Plain	BX	700-3004	\$14.23
Frosted	BX	700-3001	\$16.64

Frosted Glass Milk Smear Microscope Slides

Milk smear slides are manufactured according to specifications prescribed by Standard Methods for the Examination of Dairy Products. Use them for accurate Direct Microscopic Counts (DMC) and Direct Microscopic Somatic Cell Counts (DMSCC). Frosted glass slides with clear circles, each having an area of one square centimeter. 72/box.

Size	Circles	Unit	Stock#	PRICE
3" x 1"	5	EA	155-3739	\$0.53
3" x 2"	15	EA	155-3740	\$1.39

Milk Smear Microscope Slide with Ceramically Printed Circles

Slides have been fired to withstand autoclaving and volatile solvents. The interior area of the circle is one square centimeter. 144/case.

Size	Circles	Unit	Stock#	PRICE
25 x 75 mm	3	EA	155-3737	\$3.46

Hanging Drop Microscope Slide

Suitable for homogenization efficiency test. Two 1.75 mm deep polished spherical depressions. 12/pack.



Size	Unit	Stock#	PRICE
75 x 25 x 3 mm	PK	155-3745	\$164.14

MLA D-Tipper Pipettor

Precision engineered aluminum alloy and stainless steel. Recommended for DMC, DMSCC, antibiotic, and other tests performed by certified laboratories. Each pipettor may be calibrated by user and is engraved with a serial number for GLP record keeping. Along with a lifetime guarantee, the manufacturer provides full calibration and repair services.



Capacity	Packaging	Unit	Stock#	PRICE
Pipettors				
10 µL		EA	717-3051	\$206.16
100 µL		EA	156-3100	\$206.16
250 µL		EA	156-3666	\$206.16
300 µL		EA	156-3665	\$206.16
500 µL		EA	717-3059	\$206.16

Pipettor Tips - Bulk

1-200 µL	1000/pk	PK	717-3225	\$37.62
201 - 1000 µL	750/pk	PK	717-3226	\$52.14

Pipettor Tips - Tray

1-200 µL	200/tray, 5 trays/pk	PK	156-3588	\$68.79
201 - 1000 µL	200/tray, 3 trays/pk	PK	220-3351	\$52.14

Corning Cover Glasses

Borosilicate glass developed by Corning specially for cover glasses. Remains clear for long periods under normal storage conditions. Appropriate for oil immersion. 200/pack.

Size	Unit	Stock#	PRICE
22 mm x 22 mm	PK	140-3285	\$25.89

Glass Coverslips

Pre-cleaned coverslips are made of quality, non-corrosive glass and packaged in 1-oz boxes. Coverslips are #1 thickness, which range from 0.13 to 0.17 mm. 100/pack.



Description	Unit	Stock#	PRICE
22 x 22 mm	PK	700-3285	\$9.26

Prices subject to change.

MICROSCOPE ACCESSORIES

Disposable Cover Slips

Plastic, clear, non-curling, and unbreakable. 1000/pack.

Size	Unit	Stock#	PRICE
22 mm x 22 mm	PK	220-3331	\$50.37

Cargille™ Immersion Oil

High purity, non-drying, low-fluorescence oil. Refractive index 1.515 at 23°C. Conforms DIN 58-884. Type B oil is generally specified in food/dairy labs.

Size	Unit	Stock#	PRICE
Type A, Low Viscosity			
4-oz	EA	100-3440	\$18.64
16-oz	EA	100-3441	\$40.40
Type B, High Viscosity			
4-oz	EA	100-3442	\$18.64
16-oz	EA	100-3443	\$40.40

Nova Microcinerator/Slide Dryer

Designed to sterilize your metal inoculating loops and needles without an open flame; eliminating aerosoling of micro organisms. By using infrared heat inside a ceramic tube, the Nova Microcinerator protects your laboratory technicians from dangerous gases, flames, and splatter and can also be used as a slide dryer. The Nova can be adjusted to five different positions. The optimum sterilization temperature reaches 815°C (1500°F). Your loop or needle is sterilized within 5 to 7 seconds. To be used as a slide dryer, the slide dryer rest fits right on top of the microcinerator to dry your slides evenly. The microcinerator is 9.5" x 6" x 6.5".



Description	Unit	Stock#	PRICE
Nova Microcinerator	EA	524-3009	\$467.23
Slide dryer plate	EA	524-3010	\$78.75

Needle and Holder

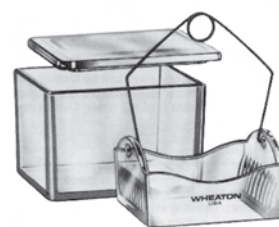
3-1/8" nickel-plated brass holder holds needle securely by adjustable screw chuck. Comes complete with one 2" straight needle. Bend to suit or order optional curved needles.



Description	Pkg	Unit	Stock#	PRICE
Holder w/straight needle	12/ca	EA	155-3430	\$24.52
Curved needle	36/pk	EA	220-3980	\$2.91
Curved needle	36/pk	PK	220-3390	\$43.69

Staining Dish

Heavy glass dish with cover. Removable glass slide rack has open bottom for rapid filling and draining. Holds 3" x 1", 3" x 1-1/2" and 3" x 2" slides. 10 grooves will hold 10 slides or 20 placed back-to-back. Includes nickel holder for lifting tray. 3-1/2"L x 2-3/4"W x 2"H.



Description	Unit	Stock#	PRICE
Staining dish	EA	155-3730	\$102.54
Additional slide rack	EA	155-3001	\$36.02

Staining Jar



Holds up to ten 3" x 1" (75 x 25 mm) slides vertically.

Description	Cover	Unit	Stock#	PRICE
Glass staining jar	Screw-on	EA	155-3732	\$45.69
Glass staining jar	Ground glass	EA	220-3732	\$35.30
Plastic staining jar	Screw-on	EA	010-3028	\$7.42

Scienceware® Coplin Staining Jar

This polypropylene jar improves on the classic tapered square design with a larger opening for easier placement and removal of slides. The polypropylene screw cap is 5.3 cm in diameter, has a flat top, easy grip knurled edge, deep thread and a seal ring to prevent leaks. Five internal slots hold up to 10, 25 x 75 mm slides (1" x 3") back to back. Dimensions: 6 cm x 11.4 cm. Steam autoclavable.



Unit	Stock#	PRICE
EA	010-3028	\$7.42

Stains & reagents are found on the next page...

Call Customer Service at 800-826-8302

MICROSCOPE ACCESSORIES & VISCOSITY TESTING

BBL™ Stain Kits and Reagents

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
240827	Coagulase Plasma, Rabbit w/EDTA	1 mL lyophilized, 10/bx	BX	614-3827	\$76.93
212525	Gram Crystal Violet	250 mL/btl, 4 btl/pk	PK	614-7007	\$51.15
212527	Gram Decolorizer	250 mL/btl, 4 btl/pk	PK	614-3830	\$47.66
212531	Gram Safranin	250 mL/btl, 4 btl/pk	PK	614-3296	\$44.97
212539	Gram Stain Kit	250 mL/btl, 4 btl/kit	KT	614-3297	\$48.37

Difco® Stains and Reagents

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
264310	Triphenyl Tetrazolium Chloride (TTC)	25 gr	JR	180-3419	\$117.28
211731	Bromthymol Blue	5 gr	JR	180-3130	\$86.74
231121	Triphenyl Tetrazolium Chloride (TTC) Solution, 1%	30 mL	VI	180-3800	\$35.64

Bostwick Consistometer

Cheese Meltability Cutter

The ideal tool to cut cheese samples to the specified diameter and depth required of the Schreiber Test for Cheese Meltability and similar tests.



Unit	Stock#	PRICE
EA	498-3000	\$107.07

Easily determine the consistency of your viscous product with this simple, dependable instrument. Consistency is determined by the rate of the material flowing on the instrument. Constructed of stainless steel, the unit is equipped with two leveling screws and a level. The gate is spring operated and held by a positive release mechanism, permitting instantaneous flow of sample. The trough, graduated in 0.5 cm divisions, ensures an accurate measurement of flow.



Unit	Stock#	PRICE
EA	107-3012	\$543.65

Zahn Measuring Cup Viscometers



Quickly measure the viscosity of liquids such as syrups and oils. Use for very thin oil to very heavy mixtures. Measures viscosity in the 18 to 1,725 centistokes range in 90 seconds or less.

Zahn Range	Centistoke Range	Application	Size	Unit	Stock#	PRICE
45-80 seconds	18-56	Milk, very light oils	#1	EA	068-3011	\$98.41
25-80 seconds	40-230	Cream, light oils	#2	EA	068-3012	\$98.41
20-75 seconds	150-790	Paint, medium oils	#3	EA	068-3013	\$98.41
20-80 seconds	220-1100	Heavy oils, honey	#4	EA	068-3014	\$98.41
20-75 seconds	460-1,725+	Thick product	#5	EA	068-3015	\$98.41

Prices subject to change.

TURBIDITY METER

Hach® 2100Q Portable Turbidimeter

Portability at a level not normally associated with laboratory instruments! Used for field, process and lab monitoring, as well as routine testing of treated low-turbidity process water, wastewater, and drinking water.



Single-standard RapidCal™ calibration offers the simplest solution for low-level measurements. Single-step verification and on-screen assisted calibration eliminates the need to reference complicated manuals. Exclusive algorithm in the Rapidly Settling Turbidity™ mode provides accurate, repeatable measurements for rapidly settling, difficult to measure samples while eliminating the need for redundant measurements and estimating.

Optical system compensates for color in the sample, light fluctuation, and stray light allowing analysts to achieve laboratory-level results with a wide range of samples, even under difficult onsite conditions. Meets or exceeds EPA method 180.1 criteria. Range: 0 to 1000 NTU. Accuracy: 0.01 NTU in lowest range. Requires 15 ml/0.5-oz sample.

Model 2100Q is supplied with 6 sample cells, set of 4 ampules of 0.1, 20, 100 and 800 NTU StablCal® Stabilized Formazin Primary Standards, a set of secondary Gelex® Standards, silicone oil & cloth, manual, quick reference card, batteries, and carrying case. Optional AC adapter is available. 2-year warranty.

Mfg Part #	Description	Unit	Stock#	PRICE
2100Q01	2100Q Portable turbidity meter kit	EA	208-3465	\$1,100.00
Accessories				
StablCal Calibration Sets				
2971205	Sealed vials, 10, 20, 100 & 800 NTU	ST	208-3205	\$171.00
2971210	100 ml btls, 10, 20, 100 & 800 NTU	ST	208-3712	\$157.00
2971200	500 ml btls, 10, 20, 100 & 800 NTU	ST	208-3200	\$268.00
2659405	Sealed vials	ST	208-3405	\$167.00
2659410	100 ml bottles	ST	208-3410	\$157.00
StablCal Standards				
2961701	10 NTU, sealed vial	EA	208-3701	\$18.95
2659742	To 0.1 NTU, 100 ml btl	BO	208-3742	\$27.05
2659749	To 0.1 NTU, 500 ml btl	BO	208-3749	\$45.85
2660142	20 NTU, 100 ml btl	BO	208-3142	\$45.85
2660149	20 NTU, 500 ml btl	BO	208-3149	\$78.35
2660242	100 NTU, 100 ml btl	BO	208-3242	\$45.85
2660249	100 NTU, 500 ml btl	BO	208-3249	\$78.35
2660542	800 NTU, 100 ml btl	BO	208-3542	\$45.85
2660549	800 NTU, 500 ml btl	BO	208-3054	\$78.35
Other Accessories				
2464105	Gelex secondary standard set	ST	208-3105	\$173.00
4707600	Polishing/oiling cloth	EA	208-3600	\$13.20
2434706	Sample cells, glass, 6/pk	PK	208-3706	\$36.40
4397500	Sample degassing test kit	EA	208-3975	\$34.80
4397510	Sample filtration & degassing kit	EA	208-3510	\$75.60
126936	Silicone oil, 15 ml tube	EA	208-3936	\$11.99

**Not finding what you need? Call our Laboratory
Products Specialists for help!
800-826-8302.**

Call Customer Service at 800-826-8302

CONDUCTIVITY TESTING & ACCESSORIES

MYRON L® Ultrameter II™

Simplify and streamline your dissolved solids testing with an Ultrameter II. While priced like affordable single-parameter instruments, the Ultrameter II does the job of up to six instruments. Ideal for the lab, plant or field locations. Temperature compensation and range selection are both rapid and automatic. Ultrameters deliver performance of $\pm 1\%$ of reading, are factory calibrated with NIST traceable solutions, and are IP67/NEMA 6 waterproof rated. Submersible to 3 feet. 2-year limited warranty. 6-month limited warranty on pH/ORP replaceable sensors.



MYRON L® Conductivity Meters for Total Dissolved Solids

Use these portable solid-state conductivity meters to check lab water permeate from ultrafiltration and reverse osmosis systems. Electrodes are built-in. Two 9V batteries supplied—last for 1000 samples or approximately one year. Sealed against moisture. 1-year warranty on materials and workmanship. Note: micromhos and microsiemens are equivalent units of conductivity.



Parameters	Unit	Stock#	PRICE
Conductivity, TDS, resistivity, temperature	EA	406-3301	\$721.14
Conductivity, TDS, resistivity, pH, ORP, temperature	EA	406-3302	\$963.24
Soft, protective case with belt clip	EA	406-3303	\$44.07

Range	Unit	Stock#	PRICE
0 to 10; 0 to 100; 0 to 1000, 0 to 10,000 umhos	EA	406-3000	\$363.71
0 to .5; 0 to 5; 0 to 50; 0 to 500; 0 to 5,000 umhos	EA	406-3001	\$375.36
Carrying Case for EP-10 or EP	EA	406-3100	\$60.48

Myron L® TechPro II™



Obtain reliable and accurate measurements of your water source with the TechPro II. Ideal for water treatment testing as well as other industrial and commercial uses. The TechPro II is handheld, lightweight and simple to operate. When measuring conductivity, TDS, pH, and temperature, the stable circuitry delivers accurate readings needed to assure product quality, prevent equipment damage or verify in-line instrumentation in a wide range of applications. Rugged, waterproof case protects the electronics of the instrument, and auto shut-off feature prolongs battery life. Uses one 9V alkaline battery.

Mfg Part #	Parameters	Unit	Stock#	PRICE
TP1	Conductivity, TDS, temperature	EA	406-3111	\$705.76
TPH1	Conductivity, TDS, pH, temperature	EA	406-3222	\$989.21
Accessories				
RPG	Replacement pH sensor	EA	406-3305	\$160.93
UPP	Hard carry case, for all digital handheld models	EA	406-3304	\$69.71
UCC	Soft carry case w/belt clip	EA	406-3303	\$44.07
PKP	Hard carry case for instrument and pH buffers & storage solution	EA	406-3306	\$131.72

Standards for Conductivity Meters

Solutions are NIST-traceable. 1-quart/bottle.

Range	Unit	Stock#	PRICE
30 ppm/47 umhos	QT	406-3200	\$23.57
150 ppm/228 umhos	QT	406-3203	\$23.57
300 ppm/445 umhos	QT	406-3205	\$23.57
1500 ppm/2070 umhos	QT	406-3210	\$23.57
3000 ppm/3920 umhos	QT	406-3215	\$23.57

Prices subject to change.

CONDUCTIVITY, SALT TESTING & ACCESSORIES

Oakton® Acorn® CON 6+ Conductivity Meter

Economical and portable microprocessor-based meter that reads conductivity and temperature. Includes fast-response probe.

- Automatic Temperature Compensation (ATC).
- Easy push button operation.
- Automatic or manual calibration, 5 point.
- Auto ranging for fast response.
- Hold function, auto off.
- Large display.
- Wide measuring range, up to 200 mS.
- Customized setup functions, selectable cell constant, 0.1, 1.0 & 10.
- Protective rubber boot with built-in stand.

Probe features built-in temperature compensation and removable probe guard for easy cleaning. Temperature range of 0 to 100° C. Epoxy body, cell constant, K=0.1.



Description	Unit	Stock#	PRICE
Meter only	EA	502-3967	\$359.83

Accessories

Waterproof conductivity probe	EA	502-3991	\$164.92
-------------------------------	----	----------	----------

Oakton® Acorn® SALT 6+ Meter

Quick readout based on NaCl curve with two measuring modes—0 to 50 ppt or 0.1 to 5%. Use with simple salt and brine solutions.

- Easy, push-button operation.
- Convenient HOLD function.
- Auto-off function.
- Two modes of five-point calibration.



Description	Unit	Stock#	PRICE
Meter with probe	EA	502-3667	\$384.28

Accessories

Replacement probe	EA	502-3984	\$167.92
-------------------	----	----------	----------

Oakton® Conductivity Solutions

Choose from economical 1-pint solution bottles or individually sealed "Singles" calibration pouches. "Singles" pouches are convenient, air-tight pouches with high-precision calibration standards. Ideal for field use; take them to your test site for on-the-spot calibration. Each box contains twenty 20 mL pouches. All solutions are cross checked using different test methods, premixed, and ready to use. NIST traceable materials. ±1% accuracy at 25°C.



Mfg Part#	Solution	Unit	Stock#	PRICE
1-pint bottles				
00653-23	23 µS	BO	502-3986	\$12.98
00653-47	447 µS	BO	502-3977	\$12.98
00653-18	1413 µS	BO	502-3987	\$12.98
20 mL pouches				
00653-10	447 µS	BX	502-3973	\$30.23
00653-11	1413 µS	BX	502-3974	\$30.23

Atago® PAL-SALT PROBE Salt Meter

Digital hand-held salt meter that features convenient operation of submerging the probe in a liquid for measuring the salt content in as fast as 3-seconds. The measurement is based on conductivity and the measurement range is 0.0 to 7.0%

(g/100g) of salt concentration. Resolution is 0.01% (0.0 to 2.0%) and 0.1% (2.0 to 7.0%). Accuracy ±0.1% (0.00 to 1.99%), relative precision ±5% (2.1 to 5.0%) and relative precision ±10% (5.1 to 7.0%). For samples over 7% salinity dilution is required. Powered by 2 AAA batteries. IP65 water resistant rated. Includes 1-year warranty.



Mfg Part #	Unit	Stock#	PRICE
4222	EA	485-3222	\$624.99

ATAGO® ES-421 Digital Salt Meter

This hand-held salt meter uses conductivity to analyze salt content quickly and efficiently, without the use of hazardous reagents. Quickly measure sauces, dressings, brines, even cheese, and fish. Complements lab-bound chloride analyzers to obtain salt readings on a production line, improving efficiency throughout the whole process. Features automatic temperature compensation (10-40C) and a 1-year warranty.



Model	Range	Application	Unit	Stock#	PRICE
ES-421	0 to 10% Salt	Food products, diluted solutions	EA	485-3442	\$1,105.00
Accessories					
RE-120284	2.84% Salt standard, 5 mL		BO	485-3284	\$30.44
	1.00% Salt standard, Certified, 500 mL		BO	131-3968	\$26.75

Call Customer Service at 800-826-8302

HYDROMETERS

Specific Gravity/Baume Hydrometers

Choice of ranges for liquids lighter than water and for liquids heavier than water. Standardization temperature: 60°F. Length 310 mm. Glass.

Specific Gravity Range	Specific Gravity Division	Baume Range	Baume Division	Unit	Stock#	PRICE
For Liquids Lighter Than Water						
0.700 to 0.860	0.002	33 to 70°	0.5°	EA	449-3010	\$18.53
0.840 to 1.000	0.002	10 to 37°	0.5°	EA	449-3011	\$18.53
0.650 to 1.000	0.005	10 to 85°	1.0°	EA	511-3253	\$16.94
For Liquids Heavier Than Water						
1.000 to 1.220	0.002	0 to 26°	0.2°	EA	449-3001	\$17.57
1.400 to 1.620	0.002	42 to 55°	0.2°	EA	449-3003	\$17.57
1.200 to 1.420	0.002	24 to 43°	0.2°	EA	449-3002	\$17.57
1.600 to 1.820	0.002	54 to 65°	0.2°	EA	449-3004	\$17.57
1.000 to 1.600	0.005	0 to 54°	0.5°	EA	449-3005	\$17.57

Acid Hydrometer

This hydrometer can check the specific gravity of your sulfuric acid. Glass.

Specific Gravity Range	Specified Temperature	Division	Length	Unit	Stock#	PRICE
1.500 to 2.000	60/60°F	0.005	300 mm	EA	195-3050	\$20.61

Baume Hydrometers

Baume scale for liquids, such as acids, alkalis, syrup, and milk concentrates. Standardization temperature: 60°F. Length 310 mm. #449-3051 is designed for cream. Glass.

Heavy Range	Baume Division	Unit	Stock#	PRICE
0 to 12°	0.1°	EA	663-3009	\$16.94
9 to 21°	0.1°	EA	449-3752	\$16.94
0 to 25°	0.2°	EA	237-3020	\$16.94
0 to 50°	0.5°	EA	663-3015	\$16.94
79 to 91°	0.2°	EA	449-3051	\$16.94

Specific Gravity Hydrometers

Universal range for testing liquids both lighter and heavier than water. High resolution scale. Standardization temperature: 60°F. Length 330 mm. Glass.

Specific Gravity Range	Divisions	Unit	Stock#	PRICE
0.695 to 0.810	0.001	EA	449-3121	\$20.60
0.940 to 1.010	0.0005	EA	449-3015	\$21.08
1.000 to 1.070	0.0005	EA	449-3016	\$21.08
1.060 to 1.130	0.0005	EA	449-3017	\$21.08

Brix Thermo-Hydrometers

Indicates percent sugar in solution at 20°C. Built-in thermometer with correction scale. Length 375 mm. Other ranges available. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering. Glass.

Brix Range %	Divisions	Unit	Stock#	PRICE
Mercury-Filled				
0 to 11	1°	EA	449-3040	\$34.98
9 to 12	1°	EA	449-3041	\$34.98
19 to 31	1°	EA	449-3042	\$34.98
29 to 41	1°	EA	449-3038	\$34.98
39 to 51	0.1°	EA	449-3044	\$34.98
49 to 61	0.1°	EA	449-3039	\$34.98
59 to 71	0.1°	EA	449-3046	\$34.98
Spirit-Filled				
0 to 11	1°	EA	511-3516	\$34.98
9 to 21	1°	EA	511-3517	\$34.98
19 to 31	1°	EA	511-3518	\$34.98
29 to 41	1°	EA	511-3519	\$34.98
39 to 51	0.1°	EA	511-3520	\$34.98
49 to 61	0.1°	EA	511-3521	\$34.98
59 to 71	0.1°	EA	511-3522	\$34.98

Brine Hydrometers

These specialized hydrometers, often called salimeters, are used in pickling operations, meat packing plants, etc. to measure the salt content of brines. Saturated salt solution contains 26.4% sodium chloride by weight. These hydrometers read the percentage saturation or salt percentage at 60°F. Length 300 mm.

Description	Range	Divisions	Unit	Stock#	PRICE
Hydrometer, glass	0 to 100% saturation	1%	EA	663-3040	\$16.94
Hydrometer, glass	0 to 26.4% salt	0.50%	EA	511-3511	\$16.94
Hydrometer, polycarbonate	0 to 100%, saturation	1%	EA	373-3310	\$60.88
Hydrometer, polycarbonate	0 to 26.4%, salt	0.50%	EA	511-3112	\$62.32

Prices subject to change.

HYDROMETERS

Plastic Hydrometers

Shatterproof, clear polycarbonate construction makes these specific gravity hydrometers ideal for the food and dairy industry. These plain-form hydrometers should be used with a thermometer for the most accurate results. The sugar hydrometer features broad-reading Brix scale and measure the concentration of sugar solution. Brix hydrometers are calibrated at 20°C based on the formula that 1° Brix equals 1% sugar at that specified temperature. Length: 330 mm.

Specific Gravity Range	Brix Range %	Division	Unit	Stock#	PRICE
For Liquids Heavier Than Water					
1.000 to 1.220	-	0.002	EA	373-3200	\$60.88
1.200 to 1.420	-	0.002	EA	373-3201	\$60.88
1.400 to 1.620	-	0.002	EA	373-3203	\$60.87
Sugar Hydrometer					
-	0.0 to 50.0	0.5 %	EA	373-3204	\$60.87

QUEVENNE Lactometer/Thermo-Hydrometer



Quevenne lactometer has three color scales for testing milk. The white scale indicates the specific gravity reading from 1.015 to 1.040. The blue scale shows the water content of skim milk by means of 1/10 to 5/10 fractional indications in 1/10 divisions. The yellow scale shows the water content of pure milk using the same fractional indications. The specific gravity may be corrected for temperature using the mercury-filled thermometer which is graduated from 20° to 100°F in 2° divisions. Standardization temperature: 60°F. Length 300 mm. Note: This product contains mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering. Glass.

Unit	Stock#	PRICE
EA	663-3035	\$40.89

Hydrometer/Lactometer Jar



Clear, unbreakable polycarbonate jar. No-tip base. 1-3/8" diameter x 12" H. 470 mL.

Unit	Stock#	PRICE
EA	492-3025	\$15.41

Scienceware® Hydrometer Rack



Protect fragile glass hydrometers by storing them in this 18-place polypropylene rack. Base is 8.25" x 8.5" for tip-proof stability. Bottom plate is 1" high. Overall height is 9.9" with handles. Autoclavable.

Mfg Part #	Description	Unit	Stock#	PRICE
F18988-0000	For long hydrometers; top plate is 7" high	EA	010-3988	\$82.53
F18988-0001	For short hydrometers; top plate is 5.7" high	EA	010-3989	\$83.66

Call Customer Service at 800-826-8302

REFRACTOMETERS

Refractometers

Refractometers are used in the food industry to monitor the concentration of dissolved solids in aqueous (water) solutions. Popular applications for refractometers include: condensed skim milk, whey, brines, soft drinks, wine, beer, juices, and coolants such as glycol. Nelson-Jameson offers a wide variety of traditional and digital refractometers to fit your testing needs.

Here's how a traditional refractometer works: simply place a drop of the solution on the prism, lower the cover and look through the eyepiece. Solids will be indicated by a distinct line across an illuminated scale. Scales are often graduated in Brix (percent of dissolved sucrose). Although this scale does not directly indicate the percent dissolved solids by weight of the product being measured, the result does give the relative concentration of dissolved solids compared to other similar solutions. Digital models, on the other hand, work by simply placing a few drops of the sample on the prism, and in turn, a LCD screen will display your result in percent Brix.

ATAGO® Master Series Refractometers

Atago Master Series refractometers feature a streamlined body with a comfortable carbon-fiber texture grip. All models are field calibratable. "T" models include automatic temperature compensation. Sample temperature range: 10-30°C. (Master 3 and 4 series: 10-40°C). Alpha models feature ATC and are IP-65 rated for water-resistance.

Model	Brix Range	Uses	Unit	Stock#	PRICE
Refractometers					
10 M	0 to 10%	Low concentrations	EA	485-3373	\$177.99
10 T	0 to 10%	Low concentrations	EA	485-3372	\$203.99
10 alpha	0 to 10%	Low concentrations	EA	485-3371	\$269.99
20 M	0 to 20%	Low concentrations	EA	485-3383	\$177.99
20 T	0 to 20%	Low concentrations	EA	485-3382	\$203.99
20 alpha	0 to 20%	Low concentrations	EA	485-3381	\$269.99
Master-M	0 to 33%	Milk, juice, soft drinks, soups	EA	485-3213	\$177.99
Master-T	0 to 33%	Milk, juice, soft drinks, soups	EA	485-3033	\$203.99
Master-alpha	0 to 33%	Milk, juice, soft drinks, soups	EA	485-3310	\$269.99
2 M	28 to 62%	Milk, soups, sauces, low-sugar jams & spreads	EA	485-3323	\$177.99
2 T	28 to 62%	Milk, soups, sauces, low-sugar jams & spreads	EA	485-3322	\$203.99
2 alpha	28 to 62%	Milk, soups, sauces, low-sugar jams & spreads	EA	485-3221	\$269.99
3 M	58 to 90%	Malt, honey, jams	EA	485-3333	\$177.99
3 T	58 to 90%	Malt, honey, jams	EA	485-3332	\$203.99
3 alpha	58 to 98%	Malt, honey, jams	EA	485-3231	\$269.99
4 M	45 to 82%	High concentrations	EA	485-3343	\$177.99
4 T	45 to 82%	High concentrations	EA	485-3342	\$203.99
4 alpha	45 to 82%	High concentrations	EA	485-3341	\$269.99
53 M	0 to 53%	Wide-range	EA	485-3053	\$177.99
53 T	0 to 53%	Wide-range	EA	485-3352	\$203.99
53 alpha	0 to 53%	Wide-range	EA	485-3353	\$269.99
S 10 M	0 to 10%	Salt in water	EA	485-3473	\$234.99
S 10 alpha	0 to 10%	Salt in water	EA	485-3471	\$269.99
S 28 M	0 to 28%	Salt in water	EA	485-3483	\$234.99
S 28 alpha	0 to 28%	Salt in water	EA	485-3481	\$269.99
Sur N-M	n/a	Urine specific gravity, serum protein	EA	485-3773	\$239.99
Sur N-alpha	n/a	Urine specific gravity, serum protein	EA	485-3771	\$312.00
Master-Milk	n/a	Non-fat solids in milk, 0- 23% milk solids, ATC, IP-65	EA	485-3691	\$269.99



Replacement Parts

RE-2315-60M	Daylight plate w/pin	EA	485-3153	\$9.99
-------------	----------------------	----	----------	--------

Reichert® Standard Precision Analog Refractometers

Affordable and rugged, these Reichert refractometers are IP67-rated dustproof and water resistant, making them the highest rated hand-held refractometers on the market. Suitable for tough environments on the processing floor as well as in the field. Shock resistant sealed housing, temperature compensated for accuracy. Ideal for measuring Brix concentrations in food and dairy applications. A specific gravity model for testing coolant and batteries is also available. On-site calibration feature. 1-year warranty.

Model	Brix	Uses	Unit	Stock#	PRICE
BR1X30	0-30%	Milk, juice, drinks	EA	398-3005	\$157.95
BR1X50	0-50%	Milk, sauces, spreads	EA	398-3006	\$157.95
BR1X90	50-90%	Higher concentrations	EA	398-3008	\$157.95
DC 70	1.100 - 1.400 Specific Gravity	Engine coolant, battery condition	EA	398-3070	\$136.02



Prices subject to change.

REFRACTOMETERS

ATAGO® PEN Series Refractometers

Measure Brix of almost any liquid food product in a convenient and efficient way by simply dipping or touching the sample with this digital hand-held refractometer. The PEN-Harvest is ideal for fruits and vegetables, wine must, and single strength juices, as well as other industries where the Brix scale is conventionally used. ATC function, IP65-rated water and dust resistant (IP67-rated prism head.) Sample temperature range: 10° to 100° C. Accuracy: $\pm 0.2\%$ Brix. Includes convenient storage case. 1-year warranty.



Mfg Part #	Description	Brix Range	Unit	Stock#	PRICE
3743	PEN-Harvest	0 to 33%	EA	485-3743	\$325.00
3730	PEN-Pro	0 to 85%	EA	485-3730	\$455.00

ATAGO® Pocket PAL Digital Refractometers

Inexpensive, compact and lightweight, these refractometers are portable and can take measurements indoors or outdoors. Easy to clean by rinsing with water. The digital LCD display and speedy performance (results in 3 seconds) gives accurate results without the worries of misreadings due to user subjectivity. Automatic Temperature Compensation enables the user to take measurements regardless of the ambient temperature. The PAL can be used on a wide variety of products including: juices, coffee, soft drinks, soups, sauces, syrups, jams, jelly and honey. Temperature of sample stage displayed along with the % Brix when pressing start. Resolution 0.1% Brix. ATC range: 10 to 100°C (PAL-39S: 10 to 35°C). Accuracy $\pm 0.2\%$ Brix (PAL-3: $\pm 0.1\%$). Powered by two AAA batteries (included). 1-year warranty.



Model	Brix Range	Unit	Stock#	PRICE
Refractometers				
PAL-1	0 to 53%	EA	485-3810	\$304.99
PAL-2	45 to 93%	EA	485-3820	\$335.00
PAL-alpha	0 to 85%	EA	485-3840	\$445.00
PAL-3	0 to 93%	EA	485-3830	\$800.00
PAL-03S	0 to 28% (Sodium Chloride)	EA	485-3403	\$360.00
PAL-BX/RI	0 to 93%/1.3306 to 1.5284 (Refractive Index)	EA	485-3851	\$885.00
PAL-39S	0 to 50% (Hydrogen Peroxide)	EA	485-3996	\$360.00
Accessories				
Holster/carry case		EA	485-3555	\$24.99

Reichert® Brix/RI-Chek Refractometer

Versatile instrument that raises the bar for performance and value. This refractometer is suitable for numerous applications in food, beverage, wine, beer, agricultural and industrial processes. Easy to operate with results displayed in 2-seconds. IP65 dust proof/water resistant rating for use in virtually any environment. Features 5-digit full view screen and 3 measurement scales: % Brix with automatic temperature correction (ATC), Refractive Index (RI) with ATC, and RI at actual temperature. Sample temperature range: 10° to 80° C. ATC range 15° to 35° C. Includes neck lanyard and 2 AAA batteries. 1-year warranty.



Model	Brix/RI Range	Accuracy	Unit	Stock#	PRICE
13940000	0.0-62.0% Brix/1.3330-1.4465 RI	0.2% Brix/0.0002 RI	EA	398-3400	\$290.02

HANNA® Digital Brix Refractometers

Versatile, portable refractometers for professional analysis at an economical price. Dual-level LCD simultaneously displays sugar content and temperature in °C or °F in samples as small as 2 metric drops (0.10 mL). IP65 rated waterproof protection and automatic temperature compensation (ATC). Readings are displayed in approximately 1.5 seconds. Accuracy: $\pm 0.2\%$ Brix. ATC range: 10 to 40°C. Auto shut-off after 3 minutes of non-use to conserve battery life. Easy calibration with distilled or DI water. Supplied with 9-volt battery and manual. Choose model HI96801, 0 to 85% Brix range to analyze sugar content (sucrose) in a wide-range of food solutions. Select model HI96811, 0 to 50% Brix range as an excellent choice for juices and wines. 1-year warranty.



Model	Brix Range	Unit	Stock#	PRICE
HI96801	0 to 85% Brix	EA	296-3801	\$164.07
HI96811	0 to 50% Brix	EA	296-3811	\$164.07

Call Customer Service at 800-826-8302

REFRACTOMETERS

ATAGO® Digital Refractometer - Palette Models

Truly a unique group of instruments, combining the reproducibility of a benchtop digital with the convenience and portability of the hand-held analog units. All models feature Automatic Temperature Compensation (5-40°C) and are calibrated with the push of a button. These units are ideal for on-line measurements in food and beverage facilities of any industry where portable precision is required. Accuracy $\pm 0.1\%$. The Palettes are powered by a standard 9-volt battery (included). Their water-resistant, sturdy design makes them ideal for working in even humid or harsh conditions.



Model	Brix Range	Uses	Unit	Stock#	PRICE
PR-101 alpha	0 to 45%	Fruit, juices, soft drinks, ind. fluids	EA	485-3412	\$1,134.00
PR-201 alpha	0 to 60%	Conc. fruit juices, jams, sauces, syrups	EA	485-3422	\$1,764.00
PR-301 alpha	45 to 90%	Jellies, raw liquid sugar, honey	EA	485-3432	\$1,630.20

Reichert® AR200 Digital Refractometer

Offers the performance of a full brix scale refractometer (per ICUMSA) in an affordable hand-held design to measure solids or concentrations over a broad range. Accurate to $\pm 0.1\%$ Brix, the AR200 measures 0 to 95% solids as Brix and 1.3300 to 1.5600 Refractive Index. Recall memory and the ability to customize three additional scales (such as salinity, HFCS and others). Automatic Temperature Compensation, adjustable contrast control, and optional PC interface. Set point/span user definable calibration. Hardened glass prism sealed with epoxy to stainless steel sample well. Powered by 4 AAA batteries (included). 2-year warranty.



Brix	Unit	Stock#	PRICE
0-95%	EA	398-3200	\$1,246.50

Reichert® r2i300 Digital Benchtop Refractometer

Meets the testing requirements of many diverse applications in various industries including: food, beverage, chemical, pharmaceutical and petroleum. Able to measure dark-colored and opaque samples. Packed with performance features found in much larger automatic benchtop refractometers. Full scale 0-95% Brix/1.3300 to 1.5600 Refractive Index range plus seven additional scales. Accuracy $\pm 0.1\%$ Brix/ ± 0.0001 RI. Custom channel CD library of over 30 custom measurement scales included. Memory capacity to store calibration log and the last 1,000 measurements with sample date and time. PC or printer connectivity via RS232 or USB, includes PC synchronization CD, RS232 cable, RS232 to USB adapter. Automatic temperature correction. Thermal printer sold separately. 2-year warranty.



Brix	Uses	Unit	Stock#	PRICE
0-95%	Soups, sauces, jams, honey, beverages	EA	398-3300	\$4,450.50

ATAGO® Automatic Digital Refractometer

The RX-5000 Alpha is an automatic digital refractometer which can set measurement temperature internally, excellent for accurately measuring the refractive index (RI), Brix, or concentration of a variety of liquid food products. Features thermo-module to achieve constant control of sample temperature, automatic start after sample reaches target temperature, fast display of RI and Brix, high/low limit display, adjustment of measurement values, 60 user scales, and recall of last 30 measurements. Range 1.32700 to 1.58000 RI/0.000 to 100.00% Brix at 5° to 60°C. Accuracy: $\pm 0.03\%$ Brix. Repeatability: 100 to 240-volt AC. 1-year warranty.



Model	Brix Range	Uses	Unit	Stock#	PRICE
RX-5000 alpha	0.00 to 100.00%	Juice, beverages, concentrates, oils, industrial fluids	EA	485-3261	\$10,500.00

ATAGO® In-Line Refractometer

Incorporate in piping of manufacturing plants, liquid mixers or washing apparatus to continuously measure concentration. Suitable for use in control of mixing or concentrating processes at food manufacturing plants. With automatic temperature compensation, according to sample liquid, correct concentration is always displayed, even if the sample temperature changes.



Model	Brix Range	Uses	Unit	Stock#	PRICE
CM-800a	0 to 80%	Condensed milk, juices & sauces	EA	485-3564	\$4,620.43

See refractive liquids for unit calibration on next page...

REFRACTIVE LIQUIDS & ACIDITY TESTING

CARGILLE Refractive Index Liquids

Certified refractive index liquids for calibration of refractometers. 1/4-oz bottle. 0% Brix liquid is certified water. Additional index liquids available. Call our technical service department for index liquids not listed.

Refractive Index	Temp.	Brix (%)	Unit	Stock#	PRICE
0.000	15° to 35°C	0.00	BO	100-3500	\$79.49
1.340	25°C	5.2	BO	100-3340	\$38.04
1.350	25°C	11.8	BO	100-3350	\$38.04
1.375	25°C	26.9	BO	100-3375	\$38.04
1.418	25°C	49.4	BO	100-3418	\$24.41
1.440	25°C	59.5	BO	100-3444	\$24.41
1.502	25°C	84.6	BO	100-3502	\$25.73



Hach® Digital Titrator

This is the perfect titration unit for use in the determination of titratable acidity of milk, wine and juice products. Ideal when portability is required. Perform accurate, precise, economical, and convenient titrations without the bulk and fragility of conventional titration equipment. Weigh your sample (18 g for milk), use pH endpoint of 8.3, then turn a dial on the titrator to accurately dispense sodium hydroxide from a cartridge. At the endpoint, read TA from the digital display. Because the titrant is not exposed to air, the concentration of the solution is maintained between titrations. Each cartridge contains a concentrated sodium hydroxide solution permitting many titrations before replacement. Suggested set up includes the digital titrator and the accessories listed below. The digital titrator comes with a plastic case and five straight delivery tubes. The J-hook delivery tubes are used when a TitraStir® continuous mixer/stand is purchased for easy dispensing.



Model	Description	Unit	Stock#	PRICE
1690001	Digital titrator w/five delivery tubes	EA	208-3169	\$201.46

Accessories

4157800	90° J-hook delivery tube, 5/pk	PK	208-3578	\$6.55
1437901	1.600N Sodium hydroxide, 13 mL cartridge	EA	208-3379	\$21.39
	Phenolphthalein Indicator, 60 mL	BO	131-3060	\$7.52
1940000	TitraStir continuous mixer/stand	EA	208-3194	\$593.00

Hach® TitraStir® Continuous Mixer/Stand

This convenient laboratory stand is a single-speed, magnetic stirring plate with a built-in support rod and custom holder made specifically for the Hach Digital Titrator and pH electrode for potentiometric endpoints. Titration flask rests on a white disc, so color changes are easy to see. Support rod can be used to attach clamps, rings and other hardware.



Model	Unit	Stock#	PRICE
1940000	EA	208-3194	\$593.00

Kimax® 620F-1 Automatic Titratable Acidity Test

Determine the acidity of dairy products with this complete test kit. Features include:

- Buret has Teflon® stopcock plug, graduated 0 to 1%, in .1 mL (10 mL = 1 %, or 1 mL = 0.1%) reading directly in percentage of acidity.
- Filling tube assembly includes 6 mm glass tubes, flexible tubing and 2-hole #9 rubber stopper.

Kit includes: 1 each of the buret; filling tube assembly (glass tubes and rubber stopper); 100 mL beaker; rubber bulb; reservoir bottle; stirring rod; clamp; and 9 mL pipet.



Model	Description	Unit	Stock#	PRICE
620F-1	Titratable acidity test kit	EA	498-3065	\$390.82

Replacement Parts

A620F-1	Buret	EA	498-3070	\$136.88
-	Filling tube assembly	EA	483-3060	\$30.85
27050-2000	Reservoir bottle, 2 L, glass	EA	363-3445	\$98.24
-	Rubber bulb w/tubing	EA	498-3500	\$16.00
609-99	Kimble Stirring Rod for Acidity Test, Pink Comparator for Titration End Points	EA	498-3057	\$22.68
41500F-2	Stopcock plug	EA	498-3071	\$57.88
-	Clamp	EA	498-3067	\$33.30

Related Accessories

Kimble 9 mL cream pipet	EA	498-3050	\$13.20
17.6 mL pipette	EA	498-3100	\$16.68
Sodium hydroxide, 4 x 1 gal ca	CA	131-3081	\$26.57
Sodium hydroxide, 1 L btl	BO	131-3083	\$9.90
Phenolphthalein, 60 mL btl	BO	131-3060	\$7.52
Phenolphthalein, 500 mL btl	BO	131-3070	\$14.24
Phenolphthalein, 500 mL btl, 6 btl/ca	CA	131-3071	\$43.78

More acidity testing products on the next page...

Call Customer Service at 800-826-8302

ACIDITY TESTING & GOLD ELECTRODE

Non-Glass Titratable Acidity Tester

Assembled from plastic components, for use where glass is prohibited, this set-up is functionally the same as the 620F-1 tester. A 10 mL self-zeroing buret (accuracy ± 0.1 mL) corresponds to the 1% full scale glass buret, therefore each milliliter corresponds to 0.1% titratable acidity. Approximate 1000 mL capacity bottle. Replacement buret kit includes: 10 mL acrylic buret and 5 inches of Tygon® tubing oversleeve.



Description	Unit	Stock#	PRICE
Acidity tester	EA	483-3065	\$334.74
Parts & Accessories			
Replacement buret kit	KT	483-3066	\$123.08
Buret Hose	FT	681-3110	\$3.30
Bulb Hose	FT	189-1040	\$0.71
Nalge Flask	EA	479-3311	\$66.13
Rubber Stopper	EA	220-3300	\$0.52
Clamp	EA	483-3067	\$39.40
Bulb	EA	498-3500	\$16.00
Glass piece for hoses	EA	483-3923	\$13.50

Titratable Acidity Standard System

Verify the accuracy of your titratable acidity solution (0.100N Sodium Hydroxide). Here's how:

1. Precisely dispense 2 mL's (#090-3022) of the 0.1N KHP standard (#131-3825 or #131-3826) into the graduated plastic capped tubes (#700-3222).
2. Add 3 drops of phenolphthalein indicator (#131-3060) to the tubes and titrate 2 mL's of your 0.1N NaOH; swirl. It should hold a pink end point to indicate your 0.1N NaOH is the correct normality.
3. Remove the 2 mL dispenser after each use and recap your KHP to ensure the normality remains 0.1N.

Description	Unit	Stock#	PRICE
0.100N Potassium Hydrogen Phthalate, 500 mL btl	BO	131-3825	\$19.11
0.100N Potassium Hydrogen Phthalate, 500 mL btl, 6 btl/ca	CA	131-3826	\$79.56
15 mL Graduated Centrifuge Tubes, 50/pkg, 10 pk/ca	PK	700-3222	\$10.09
BRANDTECH Dispensette III, 2 mL, fixed volume	EA	090-3022	\$395.32
Phenolphthalein, 60 mL btl	BO	131-3060	\$7.52

Melamine Cup

White interior is ideal for titratable acidity end point recognition. Many lab uses—for example, as a mortar or mixing cup. Constructed of durable melamine material. White exterior. 2.15"H x 3.84" top diameter. 24/case.



CARLISLE
LABORATORY EQUIPMENT

Unit	Stock#	PRICE
EA	618-6078	\$3.85

Coors Wedgewood Mortar

145 mL capacity mortar has glazed exterior and rough interior. Features a molded-in pour spout. 90 mm. Use for sample prep with gold electrode procedure.



Unit	Stock#	PRICE
EA	155-3425	\$27.18

SAM GRAY Gold Electrode™

Highly recommended for accuracy and reliability, this electrode avoids the clogging problems associated with glass electrodes. Most major food processors use it to establish definitive pH readings when buying bulk cheese as a raw material. Plants also use it as a reference for checking accuracy of glass electrodes.



Used in the gold electrode/quinhedrone method of pH analysis, the SAM GRAY Gold Electrode is referenced in Standard Methods for the Examination of Dairy Products (APHA). This method is ideally suited for high fat, proteinaceous, cheese samples. The primary reasons for this are:

- The reference electrode's junction is isolated from the material being tested.
- The pH electrode does not utilize a glass membrane.
- The pH measurement utilizes the redox potential of the entire sample/quinhedrone mixture, rather than only the ionic potential generated at a glass membrane/sample interface.

As a result: samples cannot clog the electrode; and there are no errors caused by localized pockets of salt, whey or other substances in the sample. Temperature is precisely accounted for in determining pH value. Standard deviation is less than ± 0.02 pH.

Each SAM GRAY Gold Electrode is individually checked and assigned a serial number. The electrode has a 99.99% pure gold tip and 40" replaceable lead with strain-relief boot and pin-tip connector. Plastic oversleeve is included for checking electrode accuracy using buffer solutions. Furnished in an attractive wooden box with millivolt/pH conversion table.

Related equipment: 100 mL beaker, calomel reference electrode, ceramic cup/mortar, pestle, pH meters and other listed supplies are sold separately.

Description	Unit	Stock#	PRICE
Gold electrode w/pin tip connector	EA	276-3005	\$619.12
Supplies/Accessories			
Adapter, BNC to dual pin	EA	481-3006	\$40.36
Calomel reference electrode, Hach, glass	EA	208-3304	\$201.18
Adapter cable for Hach reference electrode	EA	208-3111	\$63.86
Gold electrode straw, 2000/bag	BG	622-3000	\$41.58
Plastic oversleeve, replacement	EA	276-3010	\$67.80
Potassium chloride, 1L btl	BO	131-3760	\$28.78
Quinhedrone, 500 g	JR	255-3005	\$299.00
Transfer tube w/plunger, 6"	EA	156-3889	\$0.74
KCL, saturated, 1L	BO	131-3760	\$28.78
Buffer, pH 5, 500 mL	BO	034-3045	\$8.99
Electrode cleaner, 25 g	BO	780-3730	\$32.53

Prices subject to change.

BENCHTOP pH METERS

Thermo Scientific™ Orion™ pH Meters

A wide range of quality pH/ISE meters, electrodes and accessory products are offered to meet all of the measurement needs in food and dairy laboratories. These easy-to-use, easy-to-read meters have a direct readout of pH or mV and temperature. RS232 communications allow easy interface to computer or printer. Tactile keypads, audio feedback, and user prompting simplify calibration and nearly eliminate the possibility of user error. Especially impressive about the Orion family of pH meters, electrodes and accessories is their tremendous value at a great low price. BNC, pin tip, ATC, power inputs, and 110V AC are standard. All models provide LCD displays. Each meter comes with full service and application support, a certificate of calibration, plus a 3-year warranty.

Thermo Scientific™ Orion™ StarA211 pH Benchtop Meters

The ideal choice for dedicated pH testing in food processes, water, research and QA/QC samples. Large backlit, graphic LCD displays pH, mV and temperature in degrees C or F, along with electrode status, user ID and calibration points. Up to 5-point pH calibration with auto-buffer recognition. Advanced features include stability and averaging choices, multi-language interface, temperature offset calibration, and 2000 data point with time and date stamp memory. Able to store up to 10 methods for customized procedures. Sample stir option (sold separately), USB and RS232 data ports, IP54-rated housing. Includes complimentary data analysis software and AC power adapter or run on four-AA batteries (sold separately). 3-year warranty. Order meter w/ electrode arm and AC adapter, or as a kit. StarA2115 kit includes: Electrode Arm, AC Adapter, 8302BNUMD ROSS Triode Electrode, ROSS Solutions Kit. StarA2116 kit includes: Electrode Arm, AC Adapter, 8157BNUMD ROSS Triode Electrode, All-in-One pH Solutions Kit.



Model	Description	Unit	Stock#	PRICE
StarA2110	pH Meter w/ Electrode Arm & AC Adapter	EA	504-3203	\$737.10
StarA2115	pH Meter Kit	KT	504-3228	\$1,002.60
StarA2116	pH Meter Kit	EA	504-3127	\$1,030.50
Accessories				
1010003	AC Adapter, Universal	EA	504-3011	\$64.54
StarA-BEA	Electrode Arm for StarA Meters	EA	504-3122	\$145.80
StarA-HB	Freestanding Base for StarA Electrode Arm	EA	504-3126	\$48.42
096019	Orion Star Stirrer Probe	EA	504-3128	\$219.60

Thermo Scientific™ Orion™ StarA111 pH Benchtop Meters

Orion StarA111 Benchtop Meters combine simplicity with accuracy for dedicated pH applications. Large LCD displays pH, mV, slope, and temperature in degrees C or F. Features up to 3-point buffer calibration, temperature offset calibration, and IP54 splash-rated housing. AC power adapter included, or use 4 AA batteries (sold separately). 3-year warranty. Order meter with electrode arm & AC adapter or as a kit. Kit includes: Electrode Arm, AC Adapter, 9157BNMD Triode Electrode & Solutions Kit.



Model	Description	Unit	Stock#	PRICE
StarA1110	pH Meter w/ Electrode Arm & AC Adapter	EA	504-3314	\$475.20
StarA1115	pH Meter Kit	KT	504-3250	\$703.80
Accessories				
StarA-BEA	Electrode Arm for StarA Meters	EA	504-3122	\$145.80
StarA-HB	Freestanding Base for StarA Electrode Arm	EA	504-3126	\$48.42

**Wondering which meter is the best fit for your application?
Simply give us a call at 800-826-8302 and our Laboratory
Products Specialists can help with a recommendation.**

Call Customer Service at 800-826-8302

BENCHTOP pH METERS**Thermo Scientific™ Orion™ Versa Star pH Meters**

Increase your productivity of pH measurements with the versatile Orion Versa Star pH Meters. Large colored LCD displays pH/mV/ORP and user prompts make accuracy and repeatability easy for even the most complex and difficult samples. Up to 6-point pH calibration with auto-buffer recognition and electrode identification. Advanced features include calibration editing function and temperature offset calibration, time and date stamp memory and customized methods. Add stirrers and modules (sold separately) to analyze two separate samples at the same time. IP54-rated housing. 3-year warranty. Versa Star 10 Series pH Benchtop Meter with pH/Temperature Module, Electrode Arm & AC Adapter comes complete with single channel pH module, two USB and RS232 data ports, and data analysis software. VStar80 pH Benchtop Meter with LogR technology allows for having all features of the Versa Star 10 plus advanced electrode diagnostics, and temperature-compensated pH readings without a temperature sensor. Include one LogR pH/temperature module, and 927007MD temperature probe for LogR temperature offset calibration, electrode arm and AC adapter. VStar82 pH Benchtop Meter with LogR technology allows for having all features of the Versa Star 10 plus advanced electrode diagnostics, and temperature-compensated pH readings without a temperature sensor. Include one LogR pH/temperature module, 8172BNWP ROSS Sure-Flow Electrode, and 927007MD temperature probe for LogR temperature offset calibration, ROSS solutions kit, electrode arm and AC adapter.



Thermo
SCIENTIFIC

Model	Description	Unit	Stock#	PRICE
VStar10	VStar10 pH meter	EA	504-3133	\$1,206.00
VStar80	VStar80 pH meter kit	KT	504-3129	\$1,558.80
VStar82	VStar82 pH meter kit	KT	504-3130	\$1,879.20

Accessories

VStar-ISE	Orion Versa Star pH/ISE/temperature module	EA	504-3170	\$953.10
VStar-CND	Orion Versa Star conductivity/temperature module	EA	504-3171	\$815.40
VStar-RD	Orion Versa Star DO/RDO/temperature module	EA	504-3172	\$815.40

Thermo Scientific™ Orion™ pH Meter Accessories

Description	Unit	Stock#	PRICE
Accessories			
Adapter, AC, for Star & A Series meters	EA	504-3011	\$64.54
Electrode holder/stand	EA	504-3100	\$180.18
BNC shorting strap	EA	504-3972	\$59.40

ATC Probes

SS body, for Star meters	EA	504-3243	\$336.60
Epoxy body, for Star meters	EA	504-3705	\$277.20
SS body, for A Series meters	EA	504-3202	\$297.99
Epoxy body, for A Series meters	EA	504-3114	\$229.50
Glass body, for A Series meters	EA	504-3949	\$225.00

METTLER TOLEDO SevenCompact™ pH/Ion Meters

Perfect choice for a wide range of food production applications. The SevenCompact pH/Ion S220 meter is much more than a pH meter: it can also measure ORP and ion concentrations in various units. Starting a measurement or calibration has never been easier, requiring only a single keypress. Seven Good Reasons for SevenCompact:



METTLER TOLEDO

- Fast and accurate measurements.
- User-friendly operation.
- Menu guidance in 10 languages.
- Clear, well arranged color display.
- Many peripheral options.
- GLP compliant.
- Up to 5 calibration points.

Order meter with electrode holder only or as a kit. Kit includes: electrode holder, InLab Expert Pro electrode, pH buffer 4.01, 7.00, 9.21 and 10.

Model	Description	Unit	Stock#	PRICE
S220-Basic	Meter with electrode holder	EA	340-3592	\$882.00
S220-Kit	Kit	KT	340-3593	\$1,071.00

METTLER TOLEDO FiveEasy Plus™ pH Meters

Suitable for a wide range of applications in various areas, such as the food and beverage industry, as well as water and environmental analysis. With up to 3 calibration points, 99 data measurements storage, and RS232 interface, the FiveEasy Plus pH benchtop meter is ideal for anyone who needs an economic and reliable solution for easy pH measurement. Order meter only or as a kit. Kit includes: electrode holder, LE438 3-in-1 pH electrode, pH buffer 4.01 & 7.00 sachets.



METTLER TOLEDO

Model	Description	Unit	Stock#	PRICE
FEP20-Basic	Meter only	EA	340-3920	\$607.50
FEP20-ATC Kit	Kit	EA	340-3915	\$769.50

METTLER TOLEDO Five Series™ pH Meter

Ideal for anyone working on a budget, this benchtop meter offers rapid and reliable results. Suitable for a wide range of food, dairy, water and environmental applications. Two point calibration with automatic buffer recognition. Electrode and stand sold separately. Order meter only or as a kit. Kit includes: electrode arm, LE409 pH electrode & pH 4.01 & 7.00 buffer sachets.



METTLER TOLEDO

Model	Description	Unit	Stock#	PRICE
FE20	Meter only	EA	340-3910	\$477.00
FE20-Kit	Kit	KT	340-3916	\$598.50

Prices subject to change.

BENCHTOP pH METERS

METTLER TOLEDO pH Accessories

METTLER TOLEDO

Model	Description	Unit	Stock#	PRICE
51300164	NTC 30 kilo-ohm temperature probe, stainless steel cable included	EA	340-3164	\$151.20
52300004	Electrode cable, S7 grey screwhead to BNC for pH & redox electrodes	EA	340-3000	\$68.99
52300009	Electrode cable, multipin head to BNC for electrodes with temp probe	EA	340-3009	\$100.17

Oakton® pH 700 Benchtop pH Meters

Low cost, high performance pH meters in a compact design. Large dual display shows both pH or mV and temperature. Features include 5-point calibration with auto buffer recognition, selectable manual or automatic temperature compensation, hold function, ready and diagnostic error message indicators. Includes slide-out quick reference instruction card and power supply. Order meter only or as a kit. 3-year warranty.

OAKTON®
INSTRUMENTS

Mfg Part #	Description	Unit	Stock#	PRICE
WD-35419-00	Meter only	EA	502-3419	\$506.80
WD-35419-12	Meter w/electrode stand	KT	502-3912	\$555.74
WD-35419-10	Meter w/stand, electrode, ATC probe	KT	502-3541	\$667.69

Accessories

WD-35617-50	Electrode stand, holds 4 electrodes and TempProbe	EA	502-3201	\$112.94
WD-35805-04	Electrode, glass body, refillable	EA	502-3805	\$136.94
WD-35613-13	ATC probe	EA	502-3613	\$50.22

Oakton® pH 2700 pH/mV/Temperature Meters

The pH 2700 offers a compact design with large, easy-to-read bright backlight display. Dynamic reading stability indication, up to 500-point memory with date-time stamp for GLP, output data to printer or PC. Calibration due alarm function, water-resistant membrane keypad offers password protection for set-up and calibration. Multiple pH slopes and offset display enables quick, easy electrode diagnosis. Features resolution up to 0.001 pH, up to 6-point auto buffer recognition, automatic or manual temperature compensation, display temperature in °F or °C, and display hold. Electrode holder can be mounted on either side of meter. Quick-reference instruction card and power supply included. 3-year warranty.

OAKTON®
INSTRUMENTS

Mfg Part #	Description	Unit	Stock#	PRICE
WD-35420-22	Meter w/electrode stand & software	KT	502-3222	\$716.67
WD-35420-22	Meter w/electrode stand, software, pH electrode, ATC probe	KT	502-3542	\$1,014.19

Accessories

WD-35805-04	Electrode, glass body, refillable	EA	502-3805	\$136.94
WD-35613-13	ATC probe	EA	502-3613	\$50.22

Ohaus® Starter 2100 Bench pH Meter

The Starter 2100 is the bench meter of choice for those looking for a cost-effective pH meter that will provide reliable measurements time and time again. Features a built-in, adjustable electrode arm for simple and convenient operation. An auto buffer recognition helps to avoid errors during the calibration process and 2-point calibration. Measurement ranges: 0 to 14 pH, -1999 to 1999 mV, 0° to 100°C. Resolution: 0.01 pH, 1 mV, 0.1°C. Accuracy: ±0.01 pH, ±1 mV, ±0.5°C. Powered by AC adapter (included). Includes 1-year warranty.



OHAUS®

Model	Description	Unit	Stock#	PRICE
ST2100-B	Meter w/ built-in electrode holder	EA	501-3161	\$327.25
ST2100-F	Meter w/ST210 electrode, STTEMP30 temp probe, electrode holder, and pH buffer powder sachets	KT	501-3162	\$382.50

Call Customer Service at 800-826-8302

BENCHTOP pH METERS**Ohaus® Starter 3100 Bench pH Meter**

The Starter 3100 offers many premier features that propel the bench meter to an advanced level of operational efficiency. Measurement ranges: -2 to 16pH, -1999 mV, -5° to 110°C. Resolution: 0.01 pH, 1mV, 0.1°C. Accuracy: ±0.01 pH, ± mV, ±0.5°C. Powered by AC adapter (included). Includes 1-year warranty.

Features include:

- 3-point calibration for the highest accuracy.
- Automatic and manual temperature compensation.
- Automatic and manual endpoint functions determine the stability of readings.
- Adjustable electrode holder for maximum versatility.
- Auto buffer recognition helps to avoid errors during the calibration process.
- 99 sets of date memory and the ability to instantly recall the last calibration data.
- Self-diagnostic software provides assurance that the meter is in proper working condition.
- Each time a pH sensor is calibrated.
- An icon appears on the display to confirm the accuracy of the calibration process so you can ensure accurate measurement.
- Connection to external devices through RS232 port.

Model	Specifications	Unit	Stock#	PRICE
ST3100-B	Meter with stand alone electrode holder	EA	501-3151	\$467.50
ST3100-F	Meter with ST310 3-in-1 electrode holder, pH buffer powder sachets and in-use cover	KT	501-3152	\$527.00

Ohaus® Starter 5000 Bench pH Meter

Back by Ohaus' century-old commitment to providing precise measurement, the Starter 5000 provides accurate pH and ORP measurement for advanced experiments and research. Enhanced features, advanced technology, and high performance have been combined to support complex laboratory tasks, requiring pH measurement. Equipped with a 1,000 measurement memory, eight predefined buffer groups, three endpoint modes, color touchscreen, stand-alone electrode holder, USB port, IP54 housing and in-use cover. Measurement ranges: -2 to 20pH, -2000 to 2000 mV. Accuracy: +- 0.002pH, +- mV, +- 0.1°C. Powered by AC Adapter (included). 1-year warranty.

Model	Specifications	Unit	Stock#	PRICE
ST5000-B	Meter w/ stand alone electrode holder, in-use cover & 4G USB-driver	EA	501-3171	\$1,360.00

For electrode solutions, cleaners and accessories, see page 93.

Prices subject to change.

PORTABLE pH METERS

**Thermo Scientific™ Orion™ StarA221
pH Portable Meter**

Get the readings that you need in your food production areas with the Orion StarA221 meter. Large backlit graphic LCD display shows pH/mV/RmV and temperature in °F or °C along with electrode status, time and date stamp, and calibration points. Features waterproof IP67-rated housing with USB and RS232 ports, multi language interface, up to 5-point calibration with automatic buffer recognition, and memory up to 1000 data points. Includes complimentary data analysis software and four AA batteries. AC power optional with purchase of universal power adapter sold separately. 3-year warranty.



Thermo
SCIENTIFIC

Order meter only or as a kit. Kit includes: 8107UWMMD electrode, buffers & solutions, protective armor with electrode holder, hard carry-case & batteries.

Model	Description	Unit	Stock#	PRICE
STARA2210	pH Meter only	EA	504-3220	\$511.20
STARA2215	Kit	KT	504-3211	\$999.00
Accessories				
STARA-AR	Protective armor w/ electrode holders	EA	504-3229	\$91.80
1010003	AC Power Adapter	EA	504-3011	\$64.54

**Thermo Scientific™ Orion™ StarA121
pH Portable Meter**

Combine simplicity and accuracy in a IP67-rated waterproof housing, with the Orion StarA121 portable pH meter. Large LCD display shows pH or mV readings along with temperature in °F or °C, battery life, electrode status, and calibration information. Features up to 3-point calibration with automatic buffer recognition, recall of calibration slope data, and memory up to 50 data points. Four AA batteries included or run meter on AC power with purchase of universal power adapter (sold separately). 3-year warranty.



Thermo
SCIENTIFIC

Order meter only or as a kit.

Kit includes: 9107BNMD electrode, buffers & solutions, protective armor with electrode holder, hard carry-case & batteries.

Model	Description	Unit	Stock#	PRICE
STARA1210	pH Meter only	EA	504-3131	\$438.30
STARA1215	Kit	KT	504-3252	\$743.40
Accessories				
STARA-AR	Protective armor w/ electrode holders	EA	504-3229	\$91.80
1010003	AC power adapter	EA	504-3011	\$64.54

**Mettler-Toledo Seven2Go™
Portable pH/mV Meter**

Simple and reliable, attractively designed and robust. The Seven2Go portables are engineered to provide users with fast quality data, one-handed operation, and durability - making them ideally suited for mobile applications in the laboratory, at-line, or outdoors.

Measuring range: -2 to 20 pH, -1999 to 1999 mV.

Accuracy: ± 0.01 pH, ± 1 mV.

Temperature measuring range: -5.0 to 105.0°C.

5-point calibration with automatic buffer recognition and storage capacity for 200 measurements. IP67 rated weatherproof and robust design. ISM ready. Powered by 4 AA batteries.



Model	Description	Unit	Stock#	PRICE
S2-Meter	Meter with electrode clip and batteries	EA	340-3661	\$522.00
S2-Standard Kit	Meter with InLab Expert Pro-ISM-IP67 electrode	KT	340-3662	\$666.00
S2-Field Kit	Meter with InLab Expert Pro-ISM-IP67 electrode & uGo™ carrying case	KT	340-3663	\$706.50
S2-Food Kit	Meter with InLab Solids Pro-IP67 electrode	KT	340-3664	\$760.50

METTLER TOLEDO FiveGo™ pH Meters

This handy, portable instrument is ideal for anyone working on a tight budget who requires rapid and reliable results. Features an ergonomic and compact design with up to 2-point calibration and storage capacity for 30 measurements.



Model	Description	Unit	Stock#	PRICE
FG2 Basic	Meter only	EA	340-3900	\$324.00
FG2 Food Kit	Meter with LE427 puncture electrode	KT	340-3906	\$463.50
FG2 Kit	Meter with LE438 pH electrode	KT	340-3901	\$450.00

Find additional pH electrodes, starting on page 86.

Call Customer Service at 800-826-8302

PORTABLE pH METERS

Oakton® pH 6+ Meters

This portable pH meter is perfect for fast, accurate results. ATC ensures accurate readings from 0° to 100°C. A custom LCD display shows pH/mV or temperature readings. A protective rubber boot is included for sturdy protection and also doubles as a benchtop stand. pH range of 0.00 to 14.00 with a resolution of 0.01pH. Relative accuracy: ± 0.01 pH. Temperature range: 0.00° to 100.0°C.

Sold as meter only or as a kit. Kit includes 1 each: meter, pH electrode (#502-3700), ATC probe (#502-3993), pH 4, 7, and 10 buffer 20 mL pouches, pH 4, 7 buffer 60 mL bottles, storage solution, DI water, batteries, manual, and carrying case.



Mfg Part #	Description	Unit	Stock#	PRICE
WD-35613-20	pH 6+ Meter only with ATC probe	EA	502-3320	\$262.87
WD-35613-24	Kit	KT	502-3324	\$390.81

OAKTON®
INSTRUMENTS

Oakton® pH 450 Meters

The best value for a rugged, IP67 rated waterproof meter with advanced features. Large, backlit custom display lets you view measurement of pH, ISE or mV with temperature and calibration data with % slope. The built-in memory function stores up to 500 data sets and can be exported by USB or RS-232 with optional cables. Built-in real-time clock stamps stored data and calibration data with time and date which helps you meet standards for Good Laboratory Practices (GLP). The meter also features 6-point pH calibration, auto buffer recognition and a calibration alarm that visually reminds you when it is time to recalibrate the meter. Comes with a built-in stand and Grip-Clip™ electrode holder. Other features include: hold function, ready indicator, automatic shut-off and battery life indicator. Unit is powered by two AA batteries (included) that will power the meter for 550 hours without backlight or you can purchase the optional AC adapter. Compatible with pH/ISE electrodes having a BNC connector. Ordering options: Meter only with Grip-Clip electrode holder, meter with "All-in-One" pH electrode (WD-35808-71) and Grip-Clip electrode holder or meter kit which includes meter, "All-in-One" pH electrode (WD-35808-71), pH buffers, storage solution, rinse solution, Grip-Clip electrode holder, and hard carrying case.

Mfg Part #	Description	Unit	Stock#	PRICE
WD-35618-32	Meter only	EA	502-3832	\$531.00
WD-35618-30	Meter with probe	EA	502-3831	\$616.00
WD-35618-90	Meter kit	KT	502-3890	\$676.00

Accessories

WD-35618-05	ATC probe, stainless steel	EA	502-3618	\$68.72
WD-35420-72	AC adapter, 110/220 VAC	EA	502-3072	\$61.25
WD-35614-50	Replacement Grip-Clip electrode holder	EA	502-3450	\$24.50
WD-35630-53	USB cable	EA	502-3053	\$41.00
WD-35420-01	RS-232 Cable	EA	502-3054	\$45.25
	AA batteries, pack of 8	PK	192-2100	\$5.15



OAKTON®
INSTRUMENTS

Oakton® pH 150 Meters

The best value for an IP67 rated waterproof meter. Large, three-line LCD display lets you view pH or mV measurement with temperature and calibration data with % slope. The built-in memory function stores up to 150 measurements with temperature. The meter also features 6-point pH calibration, auto buffer recognition and a calibration alarm that visually reminds you when it is time to recalibrate the meter. Comes with a built-in stand and Grip-Clip™ electrode holder. Other features include: hold function, ready indicator, automatic shut-off and battery life indicator. Unit is powered by two AA batteries (included) that will power the meter for 700 hours continuous or you can purchase the optional AC adapter. Compatible with pH electrodes having a BNC connector. Ordering options: Meter only with Grip-Clip electrode holder, meter with "All-in-One" pH electrode (WD-35808-71), pH buffers, storage solution, rinse solution, Grip-Clip electrode holder, and hard carrying case.

Mfg Part #	Description	Unit	Stock#	PRICE
WD-35614-32	Meter only	EA	502-3432	\$356.00
WD-35614-30	Meter with probe	EA	502-3430	\$447.00
WD-35614-90	Meter kit	KT	502-3490	\$506.00

Accessories

WD-35618-05	ATC probe, stainless steel	EA	502-3618	\$68.72
WD-35420-72	AC adapter, 110/220 VAC	EA	502-3072	\$61.25
WD-35614-50	Replacement Grip-Clip electrode holder	EA	502-3450	\$24.50
	AA batteries, pack of 8	PK	192-2100	\$5.15



OAKTON®
INSTRUMENTS

Prices subject to change.

PORTABLE pH METERS

Ohaus® Starter 300 Portable pH Meters



The Starter 300pH meter is a convenient portable pH meter for wherever your work takes you. Intuitive software and a well-organized display work in tandem to make operating the Starter 300 a simple and straightforward task. Starter portable products fit comfortably in the palm of the hand. Each also comes equipped with a retractable built-in stand that can be used to prop up the meter on a flat surface. The Starter 300 tracks the accuracy of the calibration process right on the display so you can measure with peace-of-mind knowing your results will be highly precise. Measurement ranges 0 to 14 pH, -1999 to 1999 mV, 0°C to 100°C. Resolution: 0.01 pH, 1 mV, 0.1°C. Accuracy: ± 0.01 pH, ± 1 mV, $\pm 0.5^\circ\text{C}$. Other features include: IP54 rated ABS housing, 3-point calibration, 30 sets of data memory, built-in stand and electrode holder and identification window. Powered by 4 AAA batteries (included).

Model	Specifications	Unit	Stock#	PRICE
ST300-B	Meter with electrode clip, wrist strap and batteries	EA	501-3101	\$220.15
ST300-G	Meter with ST320 3-in-1 electrode, electrode clip, wrist strap, and batteries	KT	501-3102	\$293.25

HANNA® pH Meter Kit for Food & Dairy



The HANNA HI99161 portable pH meter for Food and Dairy is specially designed for monitoring pH in dairy processes to ensure quality products. The FC202D pH electrode features a rugged, easy-to-clean, PVDF body with a conical tip ideal for measurements in semi-solids like cheese and features a free diffusion sleeve type reference junction which prevents the typical problems of clogging in viscous liquids such as milk and condiments.

Kit includes: FC202D electrode, buffers, cleaning solution and carrying case.

Model	Description	Unit	Stock#	PRICE
HI99161	pH Meter kit	EA	296-3161	\$417.21
FC202D	pH SMART electrode for dairy products	EA	296-3202	\$160.32

HANNA® pH Meter Kit for Meats



Specifically designed for the pH analysis of meat products, the FC232D electrode incorporates many essential features to perform reliably without damaging the sample. Probe has a built-in temperature sensor that provides automatic temperature compensation, an open junction to avoid a clogged reference and nontoxic external body material. Kit includes: meter, FC232D electrode, FC099 blade, buffers, and case.

Model	Description	Unit	Stock#	PRICE
HI99163	pH Meter kit for meats	KT	296-3163	\$417.21
FC232D	pH Electrode, spear tip for meat	EA	296-3232	\$203.45

Call Customer Service at 800-826-8302

PORTABLE pH/ORP METERS

Ohaus® Starter pH Pen Meter

The Ohaus Starter pH pen meter provides what should be expected of a small pen meter: simple, fast, straightforward, no-frills yet highly accurate operation time and time again. With durable plastic housing, a protective cap that safeguards the sensor and an automatic shut-down feature that preserves battery life, the Starter pH pen meter can endure consistent use in rugged environments. Equipped with a wrist strap that helps to prevent unintentional dropping. The Starter pH pen meter is constructed with an IP67 waterproof design that can prevent water damage when accidentally dropped into liquid. Features a dual display showing the pH value and temperature and 3-point calibration. pH range: 0.00-14.00 with a resolution of 0.01 pH and an accuracy of 0.05 pH. Temperature range: 0.0-99°C with automatic temperature compensation. Powered by 4 AG13 1.5V micro alkaline batteries.



Mfg Part #	Specifications	Unit	Stock#	PRICE
ST20	ST20 meter with electrode	EA	501-3020	\$72.80
30087993	Replacement electrode	EA	501-3021	\$48.60

Oakton® pH Spear

Ideal for food applications, this rugged spear tip electrode easily penetrates soft and semi-solid products. Open-pore double junction electrode design resists clogging and contamination. Waterproof, dustproof housing. Up to three point calibration. Accuracy ± 0.01 pH at room temperature. Electrode and batteries included. 1-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
WD-35634-40	pH Spear	EA	502-3634	\$316.36
WD-35634-50	Replacement Electrode	EA	502-3969	\$192.44
WD-09377-16	Batteries, 6/pk	PK	502-3716	\$17.39

Oakton® Waterproof pH Testr™ 20

A complete meter with key features at an economical price. IP67-rated housing sits flat on the table and floats on water. Replaceable, double-junction electrode sensors offer a clog-resistant Kynar® junction and a recessed glass bulb to protect against breakage. Features include up to 3-point calibration, auto-buffer recognition, and automatic temperature compensation. Accuracy ± 0.01 pH.



Mfg Part #	Description	Unit	Stock#	PRICE
WD-35634-20	pH Testr20 meter w/electrode	EA	502-3420	\$107.29
WD-35624-38	Replacement electrode	EA	502-3438	\$73.71
WD-09377-16	Batteries, 6/pk	PK	502-3716	\$17.39

Extech® ExStik® pH Meters

Rugged handheld pH meter with replaceable gel-filled or refillable flat surface electrodes. A great value for testing aqueous and semi-solid products. "Renew" feature alerts user when electrode needs replacement, "Cal" indicator alerts user to recalibrate. Analog bargraph originates at neutral point (pH 7.00) to conveniently view trends in acidity or alkalinity. Up to 3-pt calibration; ATC, waterproof (IP57). Resolution: 0.01 pH/0.1°C. Complete with protective sensor cap, sample cup, batteries, and neckstrap. Select pH100 for meter with gel-filled electrode. Select pH110 for meter with refillable KCL electrode. Order pH113 KCL reference kit separately.



Model	Description	Unit	Stock#	PRICE
Meters				
PH100	Meter with gel-filled electrode	EA	228-3100	\$99.98
PH110	Meter with refillable electrode	EA	228-3110	\$149.98

Accessories				
PH105	Gel-filled electrode	EA	228-3105	\$56.23
PH115	Refillable electrode	EA	228-3115	\$68.73
PH113	Reference solution kit for pH110, pH115	EA	228-3113	\$23.73

Oakton® Waterproof EcoTestr™ pH 2

Easily view measurements at a glance with this economical and easy-to-use portable pH tester. The clear screen and ergonomically designed display enhances readability. But don't be fooled-it is built tough enough to be used in dirty and damp field conditions. The single-junction electrode is well suited for general purpose pH applications. Up to three point calibration with auto-buffer recognition and ATC (automatic temperature compensation). Batteries included, 6/pack. Accuracy ± 0.1 pH.



Mfg Part #	Description	Unit	Stock#	PRICE
WD-35423-10	EcoTestr pH 2	EA	502-3423	\$63.97
WD-09377-16	Batteries, 6/pk	PK	502-3716	\$17.39

Oakton® PCS Testr™ 35

Oakton's most versatile pocket-sized meter, the waterproof multi-parameter PCS Testr 35 is capable of displaying five measurements in one instrument. Measure temperature and toggle between pH, conductivity, TDS, and salinity. Valox® housing and stainless steel electrode offer good chemical compatibility and durability. Calibration: pH up to 5 points, Conductivity and TDS up to 3 points. Sensor and batteries included. Accuracy: pH ± 0.1 . Conductivity, TDS Salinity $\pm 1\%$ full scale. Temperature $\pm 0.5^\circ\text{C}$.



Mfg Part #	Description	Unit	Stock#	PRICE
WD-35425-10	PCS Testr 35	EA	502-3425	\$172.29
WD-35425-50	Replacement Sensor	EA	502-3255	\$83.21
WD-09377-16	Batteries, 6/pk	PK	502-3716	\$17.39

Prices subject to change.

ORP METERS & pH METER ACCESSORIES

Oakton® ORP Testr™ 10

Waterproof, dustproof tester for convenient testing of oxidation-reduction (REDOX) potential. Rugged thermoplastic body, platinum, glass and Kynar® reference double junction offer good compatibility and durability. Range -999 to +1000mV. Accuracy: ± 2 mV. Electrode and batteries included. 1-year warranty.

Mfg Part #	Description	Unit	Stock#	PRICE
WD-35650-10	ORP Testr 10	EA	502-3650	\$226.35
WD-35650-09	Replacement Electrode	EA	502-3509	\$102.95
WD-09377-16	Batteries, 6/pk	PK	502-3716	\$17.39

OAKTON®
INSTRUMENTS



Myron L® ULTRAPEN™

Designed to be extremely accurate, fast and simple to use in diverse water applications. Available in 4 different models, one is sure to fit your needs! All models are IP67 rated. Each ULTRAPEN comes with scoop, soaker cap, pocket clip, holster, and lanyard. A true, one-handed instrument, the ULTRAPEN is easy to calibrate and easy to use. To take a measurement, you simply press a button then dip the pen in solution. Results display in seconds. Powered by one N type battery (included). Replacement sensors are available for the PT2, PT3 and PT4 models. Pens have a 1-year limited warranty and sensors have a 6 month limited warranty.

Description	Unit	Stock#	PRICE
Conductivity, TDS, salinity, temperature	EA	406-3401	\$160.92
pH, Temperature	EA	406-3402	\$147.60
ORP, Temperature	EA	406-3403	\$183.47
Free chlorine disinfecting powder, Free chlorine equivalent, temperature	EA	406-3404	\$275.72



Thermo Scientific™ Orion™ Swing Arm Electrode Holder & Stand

Universal adjustable arm, base and holder. Holds up to four 12 mm diameter electrodes or one 16 mm diameter electrode.

Unit	Stock#	PRICE
EA	504-3973	\$225.72



Flexarm Electrode Holder

Move pH electrodes in and out of beakers easily. Made from high density polyethylene and PVC, this electrode holder holds and positions electrodes and probes gently and firmly. The rubber feet secure the base as you adjust the position of the 18" arm. Comes with 1 or 2 heads. White.

Description	Unit	Stock#	PRICE
Single head electrode holder	EA	156-3112	\$100.52
Double head electrode holder	EA	156-3351	\$118.70



Hach® Electrode Stands

Universal, adjustable stands with or without stirrers.

Description	Unit	Stock#	PRICE
Stand w/out stirrer	EA	208-3000	\$102.00
Stand w/stirrer	EA	208-3001	\$336.00

HACH®
Be Right™



Didn't find the pH meter you were looking for? Call us today, as our product offering is constantly updated!

Call Customer Service at 800-826-8302

pH ELECTRODES**Thermo Scientific™ Orion™ ROSS™ Combination Electrodes**

Experience superior measurement stability, faster response, greater accuracy and more reproducible results than conventional combination electrodes by switching to the ROSS combination electrode. Many styles available for various food processing and other applications. Electrodes with Orion Sure-Flow™ junctions feature unique, free-flowing liquid-to-liquid junctions to provide the most stable drift-free measurements. Junction never clogs; simply press cap to flush junction area.

Electrodes for measuring aqueous solutions in addition to more specific applications listed. Semi-solid products include soft cheeses, yogurt, soft butter, meats, soft ice-cream, sauces, and preserves. Solid surface products include harder cheeses, meats, fruits, etc. Sample temperature range 0 to 100°C.



Thermo
SCIENTIFIC

Mfg. Part #	Description	Application	Junction	Fill Solution	Unit	Stock#	PRICE
For All pH Meters							
8102BNUWP	Ultra, glass body	Semi-solids, whey, milk	Ceramic	3M KCl	EA	504-3102	\$440.10
8135BNUWP	Ultra, flat surface, epoxy body	Semi-solids, agar	Glass fiber	3M KCl	EA	504-3432	\$534.60
8104BNUWP	Ultra, glass body, rugged bulb	Semi-solids, solids, whey, milk	Ceramic	3M KCl	EA	504-3434	\$470.70
8156BNUWP	Ultra, epoxy body	CIP, whey, milk	Glass fiber	3M KCl	EA	504-3433	\$436.50
8135BN	ROSS, flat surface, epoxy body	Semi-solids, agar	Glass fiber	3M KCl	EA	504-3123	\$462.60
8102BN	ROSS, glass body	Semi-solids, whey, milk	Ceramic	3M KCl	EA	504-3237	\$383.40
815600	ROSS, epoxy body	CIP, whey, milk	Glass fiber	3M KCl	EA	504-3156	\$383.40
8104BN	ROSS, glass body, rugged bulb	Semi-solids, solids, whey, milk	Ceramic	3M KCl	EA	504-3105	\$419.40
8163BN	ROSS, glass body, spear tip	Semi-solids, solids	Ceramic	3M KCl	EA	155-3237	\$550.80
8165BNWP	ROSS, epoxy body, Sure-Flow	Semi-solids, solids	Sure-Flow	3M KCl	EA	155-3215	\$458.10
8172BNWP	ROSS, Sure-Flow, glass body	Semi-solids, whey, milk	Sure-Flow	3M KCl	EA	504-3215	\$469.80
For Orion™ VERSA STAR™, STAR™A & STAR Series							
8302BNUMD	Ultra Triode, pH/ATC, glass body	Semi-solids, whey, milk	Ceramic	3M KCl	EA	504-3802	\$513.00
8157BNWP8 157BNUMD	Ultra Triode, pH/ATC, epoxy body	CIP, whey, milk	Glass fiber	3M KCl	EA	504-3157	\$509.40
8107BNUMD	Ultra Triode, pH/ATC, epoxy body, low maintenance	CIP, whey, milk	Glass capillary	Gel	EA	504-3820	\$435.60

Thermo Scientific™ Orion™ AquaPro™ pH Electrodes

Improved lifetime, low-maintenance electrode with open junction design for fast response. Ideal for environmental and field testing of aqueous solutions and other products. Double junction Ag/AgCl reference. For all pH meters; Triode model accommodates Star series meters. Sample temperature range: 0 to 60°C.

Thermo
SCIENTIFIC



Mfg. Part #	Description	Application	Junction	Fill Solution	Unit	Stock#	PRICE
9135APWP	AquaPro, flat surface, epoxy body	Semi-solids, agar	Open	Polymer	EA	504-3134	\$351.00
9104APWP	AquaPro, glass body, rugged bulb	Semi-solids, whey, milk	Open	Polymer	EA	504-3132	\$322.20
9156APWP	AquaPro, epoxy body	CIP, whey	Open	Polymer	EA	504-3135	\$326.70
9107APMD	AquaPro Triode, pH/ATC epoxy body	Whey, milk	Open	Polymer	EA	504-3907	\$252.90

Not sure which electrode to use for your application? Call us today to speak with a Laboratory Product Specialist.

pH ELECTRODES

Thermo Scientific™ Orion™ Standard pH Electrodes

Thermo
SCIENTIFIC

Combination electrodes with single junction Ag/AgCl reference (excluding Orion KnipHe™ model). Accurate, versatile electrodes of high value for routine analysis of aqueous solutions and other products.

Mfg Part#	Description	Application	Junction	Fill Solution	Unit	Stock#	PRICE
For All pH Meters							
9104BNWP	Glass body, rugged bulb	Semi-solids, solids, whey, milk	Ceramic	4M KCL w/AgCl	EA	155-3216	\$228.60
9162BNWP	Low resistance, rugged glass bulb	Clean water, pure water	Ceramic	4M KCL w/AgCl	EA	504-3108	\$326.70
9165BNWP	Sure-Flow, epoxy body	Semi-solids, whey, milk	Sure-Flow	4M KCL w/AgCl	EA	504-3165	\$261.00
9172BNWP	Sure-Flow, glass body	Semi-solids, whey, milk	Sure-Flow	4M KCL w/AgCl	EA	504-3440	\$267.30
9120APWP	KnipHe, blade, sheath, double junction	Meats, solids	Ceramic	3M KCL	EA	504-3117	\$698.40
For Orion™ VERSA STAR™, Star™A & Star Series Meters							
9157BNMD	Triode, pH/ATC, epoxy body	Milk, whey, general purpose	Wick	4M KCL w/AgCl	EA	504-3915	\$333.00
9107BNMD	Triode, pH/ATC, epoxy body	Milk, whey, general purpose	Wick	Gel	EA	504-3942	\$237.60
For Orion™ A+ and A Series Meters							
9107BN	Triode, pH/ATC, epoxy body, low maintenance	Milk, whey, general purpose	Wick	Gel	EA	504-3125	\$223.20
9157BN	Triode, pH/ATC, epoxy body	Milk, whey, general purpose	Glass fiber	4M KCL w/AgCl	EA	504-3110	\$330.30

Thermo Scientific™ Orion™ Economy and Basic pH Electrodes

Combination electrodes with single junction Ag/AgCl reference for everyday use; ideal choice when price is a factor. Fits all pH meters with BNC connection.

Thermo
SCIENTIFIC

Mfg Part#	Description	Application	Junction	Fill Solution	Unit	Stock#	PRICE
9106BNWP	Economy, epoxy body, low maintenance	Aqueous solutions	Wick	Gel	EA	155-3223	\$115.20
913600	Economy, flat surface, low maintenance	Semi-solids, agar	Wick	Gel	EA	504-3115	\$215.10
9142BN	Basic, glass body	Whey, milk	Ceramic	4M KCL w/Ag/AgCl	EA	504-3143	\$90.90
9146BN	Basic, epoxy body, low maintenance	Aqueous	Wick	Gel	EA	504-3146	\$68.04

Thermo Scientific™ Orion™ Auto-Stir BOD Probe

Speed, convenience, accuracy, and low maintenance all in one probe. The built-in stirrer disassembles easily for cleaning and provides vigorous sample agitation, preventing oxygen stratification. Stand can be used for storage and an air calibration beaker. One touch control provides fast, easy analysis with the new Orion Star series meters. Just press "measure" on the meter to initiate stirring. Storage bottles available, 3/pack.

Thermo
SCIENTIFIC

Mfg Part #	Description	Unit	Stock#	PRICE
086030MD	Probe	EA	504-3310	\$1,462.50
910003	Storage bottle	PK	504-3955	\$56.03

BOD Bottle Carrier

Polypropylene carrier holds eight standard (300 ml) BOD bottles. Measures 13-1/8"L x 6-3/4"W x 2-5/8"H with a 3-5/8" tall handle for easy carrying. Openings are 72 mm diameter. Steam autoclavable at 121°C.



Unit	Stock#	PRICE
EA	010-3970	\$82.84

Call Customer Service at 800-826-8302

pH ELECTRODES**METTLER TOLEDO Ingold Xerolyte®
pH Electrodes**

Solve the problem of sluggish, unstable readings and slope loss by using this polymer-filled electrode with an Ag/AgCl reference isolated by a Xerolyte solid electrolyte. Designed for use with cheese and meat; emulsions and suspensions; effluent waters; and media containing protein. Using an open port, instead of the conventional ceramic junction between the sample and the reference electrolyte, substantially reduces the risk of clogging. Non-refillable. Requires BNC/S7 adapter cable which is sold separately.



Mfg Part #	Mfg Part #	Description	Connector	Unit	Stock#	PRICE
10 406 3123	406M6DXK-S7/25	Spear tip, plastic body	Screw cap	EA	340-3016	\$489.00
Accessories						
	10030109	Standard cable	Screw cap	EA	340-3503	\$65.00
	10010301	Heavy-duty cable	Screw cap	EA	340-3500	\$95.00

3-in-1 Electrode for Hach SensION Meter

This Platinum Series pH electrode has a unique, replaceable electrolyte cartridges. With the press of your thumb, electrolyte is forced through an open junction guaranteeing flow to the sample, further reducing problems caused by clogged junctions. Plastic body with glass membrane sensor. BNC connection. Temperature range 0° to 45°C continuous use, 0° to 100°C occasional use. Includes two electrolyte cartridges.



Mfg Part #	Description	Application	Junction	Fill Solution	Unit	Stock#	PRICE
5191500	Platinum, flat surface	Semi-solids, liquids	Open	KCl gel	EA	208-3500	\$380.00
Accessories							
2546902	KCl Electrolyte cartridge, 2 ea/pk				PK	208-3902	\$14.85

METTLER TOLEDO InLab® Solids Electrodes

Measure samples with tough exteriors, such as cheese, meat, fruit and more with the the InLab solids electrode. which has a spear-shaped tip, which is specially designed for that purpose. Features an integrated temperature probe. Electrodes have Argenthal™ open, double junction. Requires cable, which is sold separately. Fill solution 3M KCL. Requires adapter cable which is sold separately.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343153	InLab Solids, spear tip, glass body	BNC/Screw cap	EA	156-3874	\$333.59
51343154	InLab Solids, Pro 3-in-1, pH/ATC	Multi-pin	EA	340-3154	\$392.18
51340333	InLab LE427, spear tip polycoat shaft, ceramic junction	Fixed BNC	EA	340-3333	\$189.95
51343156	InLab solids Pro IP67, glass spear tip, pH/ATC	Fixed BNC	EA	340-3156	\$359.10
Accessories					
51300164	ATC probe	RCA/Pin	EA	340-3164	\$151.20
52300004	Cable, InLab Solids	BNC/Screw cap	EA	340-3000	\$68.99
52300009	Cable, InLab Solids Pro	Multi-pin	EA	340-3009	\$100.17

METTLER TOLEDO InLab® Versatile Electrodes

The replaceable ceramic junction of the InLab Versatile electrode extends the service life of the electrode by solving the single most common problem of a blocked junction. Simply replace the contaminated or blocked junction in seconds with a simple procedure and the electrode is once again as good as new! The Versatile fits pH meters with industry standard BNC connections. The Versatile Pro with integrated temperature probe fits pH meters with RCA temperature input. Applications include testing of milk, wine and beer. Replacement junctions and tool sold separately. Electrodes include fixed cables.



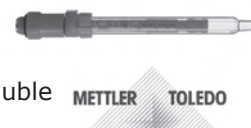
Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343030	Versatile, polysulfone body	Fixed cable, BNC	EA	340-3030	\$206.01
51343031	Versatile Pro, 3-in-1, pH/ATC polysulfone body	Fixed cable, BNC/RCA	EA	340-3031	\$225.85
Accessories					
51340268	Replaceable ceramic junction, 10/pk		PK	340-3268	\$49.14
51340267	Junction replacement tool		EA	340-3267	\$59.54

Prices subject to change.

pH ELECTRODES

METTLER TOLEDO InLab® Routine Electrodes

The InLab Routine electrode is a reliable workhorse in the laboratory. Made from extremely tough HA membrane glass, it can survive the hardest knocks unscathed. Recommended for testing jams, preserves, wine, beer, soft drinks, and brines. The Routine Pro contains an integrated temperature probe. Electrodes have argenthal (silver chloride double junction) w/3M KCl fill solution. Requires cable which is sold separately.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343050	Routine, HA glass body, refillable, 3M KCL	Screw cap	EA	340-3051	\$172.94
51343054	Routine Pro, 3-in-1, pH/ATC, HA glass body	Multi-pin	EA	340-3056	\$251.37
Accessories					
52300004	Cable, InLab Routine	BNC/Screw cap	EA	340-3000	\$68.99
52300009	Cable, InLab Routine Pro	Multi-pin	EA	340-3009	\$100.17

METTLER TOLEDO InLab® Surface Electrode

The InLab Surface electrode is designed to carry out pH measurements on solid or semi-solid surfaces. Temperature range: 0-50°C. Ag/AgCl w/3M KCl/AgCl reference. Requires adapter cable which is sold separately.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
5134157	Surface electrode, polysulfone, body refillable	BNC/Screw cap	EA	340-3157	\$251.37
Accessories					
52300004	Cable, InLab Surface	BNC/Screw cap	EA	340-3000	\$68.99

METTLER TOLEDO InLab® Expert Electrodes

A versatile, combination glass pH electrode with PEEK (a type of plastic) shaft, open junction and solid XEROLYT™ Polymer reference electrolyte. Perfect for use in a wide range of applications including emulsions, suspensions, effluent water, and solutions containing proteins. Ideal for testing pH of milk and cream. Expert Pro contains an integrated temperature probe.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343100	Expert, PEEK shaft	BNC/Screw cap	EA	340-3100	\$247.59
51343101	Expert Pro, 3-in-1 pH/ATC	Fixed cable, BNC/RCA	EA	340-3993	\$273.10
51340242	LE438, 3-in-1 pH/ATC	Fixed cable, BNC/RCA	EA	340-3242	\$162.54
Accessories					
52300004	Cable, InLab Expert	BNC/Screw cap	EA	340-3000	\$68.99
51300164	ATC probe	RCA/Pin	EA	340-3164	\$151.20

METTLER TOLEDO InLab® Power Electrodes

InLab Power and Power Pro electrodes replace the InLab 432. The SteadyForce™ reference system is pressurized, guaranteeing electrolyte flow at the ceramic diaphragm, ensuring extremely reliable and reproducible results. Recommended for measurements of butter, yogurt and ice cream. The InLab Power Pro contains an integrated temperature probe. Requires adapter cable which is sold separately.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343110	Power, glass body	BNC/Screw cap	EA	340-3110	\$461.16
51343111	Power Pro, 3-in1, pH/ATC, glass body	Multi-pin	EA	340-3111	\$595.35
Accessories					
52300004	Cable, InLab Power	BNC/Screw cap	EA	340-3000	\$68.99
52300009	Cable, InLab Power Pro	Multi-pin	EA	340-3009	\$100.17

Call Customer Service at 800-826-8302

pH ELECTRODES**METTLER TOLEDO InLab® Viscous Electrode**

The InLab Viscous electrode was especially developed for viscous and glutinous samples. The Steadyforce™ reference system guarantees the discharge of electrolytes, even with the most fatty samples. The result is a problem solver for some of the most difficult sample types. Uses include testing of butter, yogurt, ice-cream, jams, preserves, dough, and cocoa. Requires adapter cable which is sold separately.



Mfg Part #	Description	Connector	Unit	Stock#	PRICE
51343150	Viscous, glass body, Steadyforce, gel-filled	BNC/Screw cap	EA	340-3007	\$486.68
Accessories					
52300004	Cable, InLab Viscous	BNC/Screw cap	EA	340-3000	\$68.99

METTLER TOLEDO Xerolyt® Process pH Electrodes

Here's the answer to clogged junctions, which cause sluggish response times, drifting pH values, and shortened electrode life. Xerolyt process electrodes don't have a junction to clog up. They use an open port and a solid polymer gel electrolyte. This assures a free flow of ions and quick response even in thick slurries, which kill ordinary electrodes. It also eliminates the need for a pressurized housing and electrolyte refills. Temperature range of 0 to 110°C allows you to leave electrode in place during typical batching cycles. pH range: 2 to 14 extends to highly alkaline conditions. Conversion is simple, using existing housings already installed on your equipment. Xerolyt electrodes cannot be cleaned with pressurized steam. Because open port may allow penetration of material into electrode body, complete sterility may be difficult to attain. User must determine suitability. Adapter sold separately.



Mfg Part #	Description	Unit	Stock#	PRICE
104054287	Process electrode, 120 mm insertion length	EA	340-3011	\$455.00
104054290	Process electrode, 225 mm insertion length	EA	340-3012	\$549.00
Accessories				
100010301	BNC/S7 Adapter cable	EA	340-3500	\$95.00

METTLER TOLEDO DPAS Pressurized Process pH Electrodes

Unique pressurized, gel-filled combination electrodes with argental reference and ceramic junction give superior performance over conventional non-pressurized models. DPAS electrodes combine the outstanding accuracy of liquid-filled models with the convenience of gel—resulting in faster response time, lower sensor drift, and longer lifetimes. What's more, they're fully autoclavable. And simple to install, since there's no need for pressurized housings. They never require refilling with reference electrolyte. The permanent overpressure on the reference half-cell helps prevent product, under fermentation pressure, from contaminating the electrolyte. Temperature range: 0 to 130°C. pH range: 2 to 12. Requires no fill solution. Adapter cable sold separately.



Mfg Part #	Insertion Length	Unit	Stock#	PRICE
104054479	120 mm	EA	340-3425	\$340.00
104054480	200 mm	EA	340-3426	\$374.00
414054485	250 mm	EA	340-3429	\$374.00
104054482	325 mm	EA	340-3427	\$403.00
Accessories				
100000103	BNC/S7 Adapter cable	EA	340-3536	\$96.00

METTLER TOLEDO InPro® pH Electrodes

Low-maintenance, complete with Xerolyte® extra solid polymer reference system, open junction, and built-in temperature sensor to allow reliable and accurate temperature-compensated pH measurement. Can be installed through bottom or floor of a vessel or tank. Temperature range of 32-266°F. Outstanding pressure resistance of up to six bar fully covers the pressure range normally encountered in processing. Patented silver-ion barrier. VarioPin connector in heavy-duty PEEK-based material. Temperature range: 0° to 80°C. pH range: 0 to 14. Adapter cable sold separately.



Mfg Part #	Insertion Length	Unit	Stock#	PRICE
52000656	120 mm	EA	340-3970	\$339.00
Accessories				
52300211	BNC/S7 Adapter cable	EA	340-3988	\$221.00
203011003	O-ring, outside	EA	340-3632	\$7.50
203011136	O-ring, inside	EA	340-3636	\$8.32

Prices subject to change.

pH ELECTRODES

METTLER TOLEDO Electrode Cables

Connection	Length	Unit	Stock#	PRICE
BNC/AK9	1 meter	EA	340-3536	\$96.00
BNC/AS9	1 meter	EA	340-3500	\$95.00
BNC/S8	3 meter	EA	340-3513	\$99.00
BNC/VP-ST	3 meter	EA	340-3988	\$221.00
BNC/S8	5 meter	EA	340-3515	\$123.00
Tinned end/S8	1 meter	EA	340-3540	\$95.00
Tinned end/S8	3 meter	EA	340-3541	\$101.00
Tinned end/S8	5 meter	EA	340-3542	\$113.00
BNC/S7	1 meter	EA	340-3503	\$65.00



Oakton's pH Electrode Selection Guide

With hundreds of uses, selecting the right pH electrode can be a challenge. Use our helpful selection guide to be sure you are ordering the appropriate electrode for your application. For further assistance, please call our lab product specialists or request a pH Measurement and Troubleshooting Guide.

Gel-Filled vs. Refillable Electrodes

Gel-filled electrodes are convenient and easier to maintain. However, the liquid-filled electrode will provide a faster response. Users can also replace the fill solution to optimize performance.

Glass vs. Epoxy Body Electrodes

Glass body electrodes will typically be able to withstand higher temperatures. The glass design offers better sealing, fusing glass to glass instead of relying on adhesives. the epoxy body is susceptible to breakage.

Bulb Design

pH electrodes are handblown by experienced craftsmen and can be modified to provide a semi-dome for increased ruggedness, a spear tip for soft penetration or even a flat surface. The glass formulation can provide increased range.

Reference Design

To achieve accurate results, the reference electrode must allow electrolyte solution to flow into the sample. Depending on the size of the material of the junction, this flow rate can be increased or kept to a minimum. Faster flow produces stable readings faster, but results in greater service requirements or premature electrode failure.

Reference Chemistry

The leading cause of electrode failure is reference contamination. The most popular electrodes use a silver chloride (AgCl) reference solution that can react with heavy metals, sulfides, and organics. If your application has any of these contaminants present, be sure to select either a double-junction or calomel electrode. The double junction electrode uses a second internal reference junction, restricting the AgCl solution to be the upper chamber where it is isolated from the sample. The calomel electrode replaces the AgCl with HgCl.

Oakton® Combination pH Electrodes

All Oakton electrodes feature a BNC connector with 3' fixed cable. Electrodes for measuring aqueous solutions in addition to more specific applications listed.



Mfg Part #	Description	Application	Fill Solution	Unit	Stock#	PRICE
WD-35805-06	Epoxy body, double junction	General	Gel	EA	502-3701	\$80.21
WD-35805-04	Glass body, double junction	Semi-solids	4M KCL	EA	502-3805	\$136.94
WD-35805-19	Epoxy body, flat surface	Semi-solids	Gel	EA	502-3708	\$94.71
WD-35805-18	Glass body, spear tip	Semi-solids	Gel	EA	502-3004	\$142.92
WD-35801-71	3-in-One, epoxy body benchtop meters, .14" diameter ATC pin, single junction	General	Gel	EA	502-3713	\$89.21
WD-35811-72	3-in One, epoxy body, Acorn meters, .10" diameter ATC pin, double junction	General	Gel	EA	502-3000	\$132.94
WD-35811-71	3-in-One, epoxy body, .10" mini ATC pin, single junction	General	Gel	EA	502-3979	\$91.21

Call Customer Service at 800-826-8302

pH ELECTRODES & ACCESSORIES**Ohaus® pH Electrodes**

Ohaus has pH electrodes for all your applications.



Mfg Part #	Description	Application	Fill Solution	Unit	Stock#	PRICE
ST320	3-in-1, Plastic body, BNC/Cinch connector	Standard, Aqueous Samples	3M KCL Gel, Non-Refillable	EA	501-3201	\$108.00
ST310	3-in-1, Plastic body, BNC/Cinch connector	Standard Samples	3M KCL, Refillable	EA	501-3202	\$108.00
STPURE	Glass body, BNC Connector	Standard and Pure Water Samples	3M KCL, Refillable	EA	501-3203	\$102.60
ST230	Glass body, BNC Connector	Juice, Milk and Semi-Solid Samples	3M KCL, Refillable	EA	501-3204	\$93.60
ST210	Plastic Body, BNC Connector	Standard Samples	3M KCL, Refillable	EA	501-3205	\$49.50
STSURF	Plastic Body, BNC Connector	Semi-Solid and Flat Surface Application	3M KCL, Refillable	EA	501-3206	\$118.80
STREF2	Saturated Calomel, 2mm banana connector	1/2 cell reference electrode		EA	501-3207	\$141.30
STTEMP30	Stainless Steel ATC Probe	Temperature Probe Range, 0-100°C		EA	501-3208	\$60.30

PINNACLE pH Electrode**Spear Tip**

Excellent choice when a high-performance, low maintenance electrode is required. 6-month warranty.

Mfg Part #	Description	Application	Fill Solution	Unit	Stock#	PRICE
476456	Glass body	Semi-solids	3M KCl	EA	140-3615	\$437.34

PINNACLE pH Electrode**3-in-1 Combination Electrode**

Epoxy body electrodes with ATC, for general use. (For newer Pinnacle meters, call our laboratory product specialists and reference the manufacturer part number, along with a "P" at the end.)



Mfg Part#	Description	Application	Fill Solution	Unit	Stock#	PRICE
476466	Flat surface, polymer	General	Gel	EA	140-3086	\$251.06
Accessories						
477269	Replaceable ceramic junction, 3/pk			PK	140-3740	\$81.53

PINNACLE pH Electrodes**Glass Body**

Fast, accurate, stable response over a wide range of applications. 1-year warranty.



Mfg Part #	Description	Application	Fill Solution	Unit	Stock#	PRICE
476146	High performance, rugged bulb	General use	3M KCl	EA	140-3582	\$443.33
476296	Premium rugged bulb	Aqueous Samples	3M KCl	EA	140-3611	\$321.80

Prices subject to change.

pH ELECTRODES & ACCESSORIES

Electrode Solutions, Cleaners
and Accessories

Call us for recommended cleaning procedures on pH electrodes supplied by Nelson-Jameson. By using the right cleaner with the correct procedure, you can rejuvenate your electrode and maintain its accuracy.

Mfg Part #	Description	Unit	Stock#	PRICE
Mettler Toledo				
51 340 053	Fill solution, Friscolyte B, 250 mL	BO	340-3109	\$30.00
51 340 236	Fill solution, Viscolyte B, 250 mL	EA	340-3189	\$16.25
43 9891 125	Electrode cleaner, alkaline, 125 mL	BO	340-3102	\$28.00
20 9891 125	Electrode cleaner (for proteins), acid, 125 mL	BO	340-3108	\$28.00
51 340 070	Ceramic diaphragm cleaner, 250 mL	BO	340-3105	\$35.00
51 340 268	Replaceable ceramic junction, 10/pk	PK	340-3268	\$49.14
51 340 267	Ceramic junction replacement tool	EA	340-3267	\$59.54
Nelson-Jameson				
62812-033	Electrode cleaner, 500 mL, contains 20% HCl	BO	131-3104	\$8.69
63283-067	Storage/fill solution, 3M KCl, 1 L	BO	131-3762	\$39.97
9289GA	Fill solution, KCl, saturated w/o AgCl, 1 L	BO	131-3760	\$28.78
Thermo Scientific™ Orion™				
910001	Electrode storage Solution, 475 mL	BO	504-3001	\$50.22
810007	Ross fill solution, 3M KCl w/o Ag/Cl, 60 mL	BO	154-3752	\$17.42
900011	Fill solution, 4M KCl w/Ag/Cl, 60 mL	BO	154-3753	\$17.78
900014	Fill solution, calomel electrodes, 50 mL	BO	504-3014	\$18.90
900021	pH cleaning solution A for removing protein, 4 x 1 oz btl	KT	504-3006	\$55.98
900024	pH cleaning solution D for removing oil and grease, 4 x 2 oz btls	KT	504-3007	\$57.06
930710	Nitrate interference suppressor, 475 mL btl	BO	504-3005	\$79.74
910005	Protective guards for electrodes, 5/pack	PK	504-3901	\$37.08
930707	Nitrate standard, 465 mL, 100 ppm as N	BO	504-3945	\$88.37
841101	Sodium electrode storage solution, 475 mL	BO	504-3965	\$67.96
810001	Ross electrode storage solution, 475 mL	BO	504-3910	\$68.04
910168	1.68 pH buffer solution 475 mL	BO	504-3168	\$19.98
910112	12.46 pH buffer solution, 475 mL	BO	504-3124	\$19.98
Hach				
2657364	Electrode storage solution, powder pillows, 20/pk	PK	208-3364	\$32.95
2756549	Storage solution, 3M KCL, 500 mL	BO	208-3549	\$33.85
2546902	Electrolyte cartridge, KCL gel, 2/pk	PK	208-3902	\$14.85
2769920	Singlet foil pouch, 4.0 and 7.0 pH buffer 10 ea/pk	PK	208-3920	\$33.65
2299264	pH buffer pillows, 4.0 and 7.0 buffer, 10 ea/pk	PK	208-3264	\$13.45

NELSON-JAMESON pH Buffers



Ready-to-use reference standards with an accuracy of ± 0.02 pH at 25°C. The accuracy of EVERY lot is checked at the factory. Color-coded. ISO 9000 and NIST traceable. Larger sizes available, please call for details. pH measurement/troubleshooting sheet included with #034-3000 kit.

Buffer	Color	Unit	Stock#	PRICE
500 mL Bottles				
pH 4.01	Red	BO	034-3030	\$8.99
pH 5.0	Green	BO	034-3045	\$8.99
pH 6.0	Clear	BO	034-3056	\$11.48
pH 7.0	Yellow	BO	034-3075	\$8.99
pH 10.0	Blue	BO	034-3121	\$8.99
500 mL Kit				
pH 4,5,7	Red, green, yellow	KT	034-3000	\$22.99
1-Gallon Jugs				
pH 4.0	Red	JU	504-7004	\$37.16
pH 7.0	Yellow	JU	504-7007	\$37.16
pH 10.0	Blue	JU	504-7013	\$40.29

Call Customer Service at 800-826-8302

pH BUFFER & THERMOCOUPLE THERMOMETERS**Ricca pH Buffers**

Great pH reference buffer for food processing, laboratory and production areas. Use with samples that have pH values outside the common 4.0 to 7.0 pH range, such as boiler water, effluent, and other industrial processes. 500 mL/ btl.

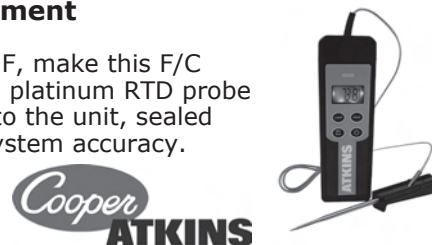
Buffer	Unit	Stock#	PRICE
pH 2.0	BO	617-3040	\$18.22
pH 12.0	BO	617-3090	\$24.63

COOPER-ATKINS® Thermocouple Instruments & Probes

Rugged, digital thermocouples for measuring the entire range of temperatures typically encountered in food processing applications. Instruments (excluding Platinum RTD) accept any Type K thermocouple probe allowing maximum versatility to suit your needs. Durable, sealed housing keeps moisture from internal components. A standard certificate of calibration traceable to the National Institute of Standards and Technology (NIST) is included with each thermocouple. Contact our lab specialists for applications that require a documented NIST certificate with instrument (added charge). 5-year warranty on instruments. 1-year warranty on probes.

Cooper-Atkins Platinum RTD Instrument

New ergonomic design and an extended temperature range of -76° to 500° F, make this F/C switchable handheld a highly accurate digital thermometer. Utilizes thin-film platinum RTD probe sensor technology. The silicone-coated wire probe is permanently attached to the unit, sealed to provide a splash-proof instrument and includes a backlit LCD with total system accuracy. New auto-off feature with Min/Max and Hold buttons provides improved performance and comes with a 5-year instrument warranty.



Mfg Part #	Description	Accuracy	Unit	Stock#	PRICE
36036	Platinum RTD	+/-0.5F/+/-0.3C @ -76 to 200F/-60 to 93C, +/-1F/+/-0.5C @ 200 to 500F/93.3 to 260C	EA	047-3037	\$305.61
36036 CERT	Platinum RTD with NIST traceable certificate	+/-0.5F/+/-0.3C @ -76 to 200F/-60 to 93C, +/-1F/+/-0.5C @ 200 to 500F/93.3 to 260C	EA	047-3636	\$393.11

AquaTuff™ 350 Series Thermocouple Thermometers

Measure the entire range of temperatures typically encountered in food processing applications with this rugged, digital thermocouple thermometer. 35100-K and 35200-K accept any Type K thermocouple probe, allowing maximum versatility to suit your needs. These thermometers are IPX7 and NSF-rated. Probes are factory calibrated to the instrument in wrap and stow models. #352 models include hold and back-light features.



Mfg. Part #	Description	Range	Accuracy	Unit	Stock#	PRICE
35100-K	AquaTuff 351, thermometer only, NSF	-100° to 999°F/-73° to 537°C	±0.5°F/±0.3°C	EA	047-3015	\$239.59
35132-N	AquaTuff 351 with Wrap & Stow, Duraneedle probe, NSF	-100° to 500°F/-73° to 260°C	±0.9°F/±0.5°C	EA	047-3034	\$294.38
35200-K	AquaTuff 352, thermometer only, NSF	-100° to 999°F/-73° to 537°C	±0.5°F/±0.3°C	EA	047-3016	\$285.97
35232-N	AquaTuff 352 with Wrap & Stow, Duraneedle probe, NSF	-100° to 500°F/-73° to 260°C	±0.9°F/±0.5°C	EA	047-3060	\$332.53
55032-N	Duraneedle probe only, 4" shaft, NSF			EA	047-3032	\$105.55
35132N-NIST	AquaTuff 351 with traceable certificate	-100° to 500°F/-73° to 260°C	±0.9°F/±0.5°C	EA	047-3132	\$361.28

EconoTemp™ Series

Technology and economy combine in this innovative thermocouple instrument. Designed with a powerful microprocessor and unique memory that stores calibration settings, it will virtually never need recalibration. Rubber boot protects ABS plastic housing, securely delivering impact ratings not found in other economy models. Accepts any K-style probe. Includes #9368 wall mount bracket. EconoTemp Plus model offers twice the precision of the EconoTemp model.



Mfg Part #	Description	Range	Accuracy	Unit	Stock#	PRICE
32311-K	EconoTemp, NSF, thermometer only	-40° to 500°F/ -40° to 260°C	±2°F/±1°C	EA	047-3992	\$126.99
32322-K	EconoTemp Plus, thermometer only	-40° to 1000°F/ -40° to 538°C	±1°F/±0.5°C to 495°F, ±2°F/±1°C 496° to 1000°F	EA	047-3001	\$211.19
93230-K	EconoTemp Combo Pack 32311-K with Duraneedle probe	-40° to 500°F/ -40° to 260°C	±2°F/±1°C	PK	047-3002	\$173.99

Prices subject to change.

THERMOCOUPLE TEMPERATURE PROBES

COOPER-ATKINS® Thermocouple Temperature Probes

COOPER-ATKINS temperature probes achieve the most accurate temperature reading possible. Maintain optimum quality during the manufacturing process to help ensure food safety. Use 'K' or 'N' part numbers with K-type thermocouples. Most probes also available in J- and T-type. Call for availability.



Mfg. Part #	Description	Application	Unit	Stock#	PRICE
Small Diameter Insertion/Immersion					
50207-K	Micro needle, chisel tip, 4" shaft, direct connect	Liquids, semi-solid small products	EA	047-3073	\$74.24
50337-K	Duraneedle™, 4" shaft, direct connect	Liquids, semi-solid small products	EA	047-3013	\$110.61
50209-K	Micro needle, round tip, 4" shaft	Liquids, semi-solid small products	EA	047-3074	\$100.48
Small Diameter Insertion/Immersion					
49126-K	Reduced tip, rugged 4" shaft, 36" straight flex cable	Liquids, semi-solid foods	EA	047-3066	\$214.54
50427-K	Reduced tip, rugged 12" shaft, 48" coiled cable	Liquids, semi-solid foods	EA	047-3989	\$283.77
Small Diameter Insertion/Immersion					
50334-K	Duraneedle™, rugged 4" shaft, 34" straight flex cable	Liquids, semi-solid foods	EA	047-3003	\$116.30
50336-K	Duraneedle™, rugged 6" shaft	Liquids, semi-solid foods	EA	047-3336	\$81.81
39035-K	1/8" needle, rugged 4" shaft	Liquids, semi-solid foods	EA	047-3996	\$91.72
50335-K	1/8" needle, rugged 4" shaft	Liquids, semi-solid foods	EA	047-3079	\$70.60
Small Diameter Insertion/Immersion					
49135-K	1/8" needle, rugged, 4" shaft, 36" straight flex cable	Liquids, semi-solid foods	EA	047-3006	\$150.83
50143-K	Heavy-duty needle, 4" shaft, 48" coiled cable	Liquids, semi-solid foods	EA	047-3143	\$149.58
50361-K	Armored meat, 4" shaft	Liquids, meat products	EA	047-3014	\$132.04
50101-K	Extra duty, 3" shaft	Frozen products	EA	047-3007	\$241.13
Small Diameter Insertion/Immersion					
50332-K	Hand-held air, 4" shaft, 48" coiled cable	Walk-in refrigerators, freezers, vents	EA	047-3011	\$104.42
50305-K	Freezer/cooler, mountable junction, 1" sensor, 8' straight flex cable, 24" coiled cable (to junction)	Freezers, coolers	EA	047-3009	\$115.79
Small Diameter Insertion/Immersion					
50302-K	Oven probe, 2" with clip, fiberglass cable	Ovens, hot cabinets, freezer/cooler	EA	047-3087	\$95.73
50306-K	Oven probe, 2" with clip, 44" flex stainless steel cable	Ovens, hot cabinets, freezer/cooler	EA	047-3010	\$99.83
Small Diameter Insertion/Immersion					
50316-K	1/8" blunt tip, 4" shaft, 48" coiled cable	Motors, compressors, immersion capable	EA	047-3990	\$98.08
50318-K	Ceramic tip, 4" shaft, 48" coiled cable	High temp flat or uneven surfaces	EA	047-3076	\$131.02
50319-K	Ceramic tip, right angle, 5" OAL, 48" coiled cable	High temp flat or uneven surfaces	EA	047-3993	\$146.14
50012-K	Flat, 45 degree, bell, 4.5" OAL	High temp flat surface, grills	EA	047-3068	\$106.15
50069-K	Moving surface, bow, 10" OAL, 36" straight flex cable replaceable sensor	Moving surfaces, rollers, belts	EA	047-3031	\$430.75
50010-K	Flat-taper surface, 1" layered thermocouple sensor	Food packs, cartons	EA	047-3500	\$131.69
Small Diameter Insertion/Immersion					
50701-K	Combo probe, 36" shaft	Food combos, large kettles, vats, compost	EA	047-3701	\$250.92
49136-K	Bendable tip, 7" shaft	Air, liquid, fast response	EA	047-3067	\$123.75
50200-K	Cooking vat with clip, 8" shaft	Liquids, tankers, cooked products	EA	047-3072	\$80.83
50208-K	Fry vat probe, 13" shaft	Liquids, tankers, cook vats, fryers	EA	047-3008	\$108.92
49140-K	High temperature probe, 24" shaft	Hot liquids, air	EA	047-3995	\$232.17
50143-24K	Duraneedle™, 24" shaft, 36" flex armor cable	Liquids, semi-solid foods	EA	047-3994	\$124.57
50332-N	Duraneedle™ for 351/352, 4" shaft, NSF	Liquids, semi-solid foods	EA	047-3032	\$105.55
4005MK	Pipe clamp surface	Pipe temperatures	EA	047-3004	\$138.70
Small Diameter Insertion/Immersion					
49136-T	Bendable wire, 8" shaft	Liquids, fast response	EA	047-3136	\$123.74
50012-T	Bell surface, 4.5" OAL	Flat surfaces	EA	047-3012	\$131.02
50332-T	Hand-held air, 4" shaft	Refrigerators, freezers, vents	EA	047-3332	\$104.42
50335-T	Duraneedle™, 4" shaft	Liquids, semi-solids	EA	047-3335	\$70.60
50335-10T	Duraneedle™, 10" shaft	Liquids, semi-solids	EA	047-3081	\$76.23
50427-T	Reduced needle, 12" shaft	Liquids, semi-solids	EA	047-3084	\$218.89
Small Diameter Insertion/Immersion					
10040-K	Extension cable, 48" coiled, male x female		EA	047-3997	\$53.52
10045-K	Extension cable, 20 ga, 10' straight flex cable, male x female		EA	047-3043	\$64.18
10055-K	Patch cable, 30" flex armor cable, male x male	Vacuum oven Q/C	EA	047-3044	\$59.77

Call Customer Service at 800-826-8302

THERMOCOUPLE & INFRARED THERMOMETERS

Testo 925 Type K Thermocouple Thermometer

Provides maximum versatility in food processing application with both corded and optional wireless probes. Operating temperatures: -20° to 50°C. Backlit display and hold feature. User-adjustable audible alarm sounds if set min/max limits are exceeded. Measurements as well as min/max values with time/date can be printed on-site with optional Testo printer. Optional wireless probe for monitoring of cheese and other storage. Optional TopSafe case protects unit from water, dirt, and impact. 9-volt battery power. 1-year warranty. Order probes separately.



Mfg. Part #	Description	Unit	Stock#	PRICE
05609250	925 Type K Thermocouple thermometer	EA	659-3560	\$139.36

Accessories

06021293	Penetration probe, type K, plastic handle	EA	659-3293	\$61.71
06022292	Penetration probe, type K, stainless steel handle	EA	659-3292	\$150.30
06280026	Quick response needle penetration probe, type K, small profile s/s handle	EA	659-3026	\$233.92
06022693	Quick response needle penetration probe, type K, ergonomic plastic handle	EA	659-3693	\$174.19
05160221	TopSafe case	EA	659-3021	\$42.81
4005201901	NIST certificate, order with thermocouple & probe	EA	659-3999	\$90.00

Testo 110 Digital Thermometer

Be ready for demanding temperature measurement applications and rough conditions with the Testo 110. It provides accurate and affordable measurements for food testing areas including refrigerated storage rooms, freezers/coolers, storage cabinets, and general outdoor uses. Operating temperatures -58° to 530°F ± 0.1°F. Minimum and maximum values are shown on a clear 2-line, backlit display for easy reading. User adjustable audible alarm-limits aid in temperature control. Hold feature automatically recognizes full-scale value. Optional TopSafe protective case ensures water, impact and dirt/dust protection. Values can be printed on-site with optional Testo printer. The 110 can easily be upgraded with optional wireless temperature probe. 1-year warranty. Order probes separately.



Mfg Part #	Description	Unit	Stock#	PRICE
05601108	110 Instrument, multi-pin probe connection	EA	659-1106	\$149.31

Accessories

06131212	Penetration probe, s/s shaft, plastic handle	EA	659-1211	\$114.46
06132211	Penetration probe, s/s shaft, stainless steel handle	EA	659-3211	\$181.16
4005201901	NIST certificate, order with thermocouple & probe	EA	659-3999	\$90.00

COOPER ATKINS® Gun-Style Infrared Thermometers

Using an infrared thermometer is the safest way to measure surface temperatures of hot, hard to reach, electrically energized, or moving objects. To verify HVAC distribution, check for overheated wires, radiant heat in floors, motors, insulation, pipes, breakers, and corroded connections. These are excellent tools for reading ceiling duct temperatures from the floor without a ladder! Features include amber back-light LCD display and auto shut-off. Operates on 2 AAA batteries (included). Resolution: 0.1°. Accuracy: ±2% or ±4°F/2°C, whichever is greater. 1-year warranty.



Cooper
ATKINS

Model	Temp. Range	Distance to Spot Ratio	Unit	Stock#	PRICE
422	-76°C to 932°F/-60°C to 500°C	12:1	EA	047-3422	\$104.22
424	-76°C to 1600°F/-60°C to 900°C	35:1	EA	047-3424	\$283.25

COOPER-ATKINS® DualTemp2™ Infrared Thermometer with Platinum RTD

Infrared instrument with platinum RTD probe for surface and internal temperature readings. Features auto shut-off, low battery indicator, data hold, maximum temperature memory, and HACCP indicators. Includes storage pouch. Accuracy: ± 1° to 65°C, 1.5% for readings over 65°C. Resolution: 0.1°C. 1-year warranty.



Model	Temp. Range	Distance to Spot Ratio	Unit	Stock#	PRICE
481	-40° to 536°F, -40° to 280°C	3:1	EA	047-3019	\$189.98

Like the convenience of
ordering online?
Check out our website at
nelsonjameson.com

Prices subject to change.

INFRARED THERMOMETERS

Thermco® Waterproof Infrared and Probe Thermometer

This dual thermometer, which measures temperature by non-contact infrared and contact probe method, is the #1 food industry waterproof infrared thermometer!

Product features include:

- Dimensions: 22 x 38 x 160 mm.
- Probe flips out. 100 mm length.
- Work temp: 0°C to +50°C, Storage temp: -20°C to +50°C.
- Repeatability: $\pm 1/0^\circ\text{C}$ or 1%.
- Response time: Approx. 0.5 seconds.
- Display of current, highest or lowest temperature during the measurement.
- HACCP-LED indicates HI/LO-Level for food.
- Waterproof IP 65.
- MAX-MIN-HOLD-LOCK function.
- °C/°F switchable.
- LED spot size indicator.
- Clip for fixing, bag and calibration certificate included.



Model	Temp. Range	Unit	Stock#	PRICE
DO413IR	-33°C to 220°C (infrared), -55°C to 220°C (insertion probe)	EA	511-3413	\$209.37

COOPER-ATKINS® DualTemp Infrared Thermometer and Probe

Infrared instrument with probe for surface and internal temperature readings. Accuracy: $\pm 2^\circ\text{C}$ or 2% of readings. Resolution: 0.1°C. 1-year warranty.



Model	Temp. Range	Distance to Spot Ratio	Unit	Stock#	PRICE
480	-27° to 428°F, -33° to 220°C	1:1	EA	047-3018	\$106.96

COOPER-ATKINS® Mini Infrared Thermometer

This pocket-sized design is very compact and includes lanyard to wear around your neck. Accuracy: $\pm 2^\circ\text{C}$ or 2% of readings. Resolution: 0.1°C. 1-year warranty.



Model	Temp. Range	Distance to Spot Ratio	Unit	Stock#	PRICE
470	-30° to 220°C	1:1	EA	047-3017	\$59.11

Non-Contact Infrared Thermometers

Measure product and equipment temperatures quickly, safely, and accurately without direct contact. Ideal for fast-moving product lines, open vats, coolers, or exterior surface of CIP tank or pipes. Accuracy $\pm 2^\circ$ of reading with .1 resolution.



- Model QT418L1 is the most rugged of the professional grade thermometers and measures the max temp during scan.
- Model QT418LD offers min, max, dif, and avg temps during scan.

Both require 2 AAA batteries to provide up to 130 hours of continuous use. Optional protective case is available.

Model	Range	Unit	Stock#	PRICE
QT418L1	-76° to 932°F (-60° to 500°C)	EA	657-7310	\$97.92
QT418LD	-76° to 1157°F (-60° to 625°C)	EA	657-7315	\$152.94

Accessories

Case	Fits both models	EA	657-7309	\$13.20
AAA batteries, 8/pk		PK	192-2105	\$5.37
AAA batteries, 24/pk		PK	192-2104	\$17.63

Food Inspection Non-Contact Infrared Thermometer

Get the highest level of accuracy in an infrared thermometer with this professional grade Food Inspector's model. Meets HACCP requirements for accuracy ($\pm 1.8^\circ\text{F}$ between 32 and 150°F, higher and lower temps at $\pm 1.5^\circ\text{F}$). Requires 2 AAA batteries and provides up to 180 hours of continuous use.



Model	Range	Unit	Stock#	PRICE
QTFI40L	-67 to 536°F, -55 to 280°C	EA	657-7320	\$108.93
AAA batteries, 8/pk		PK	192-2105	\$5.37
AAA batteries, 24/pk		PK	192-2104	\$17.63

**Looking for data loggers?
See our full product offering,
starting on the next page.**

Call Customer Service at 800-826-8302

DATA LOGGERS

Infrared Fluke Food Pro Plus Thermometer & Probe

Designed specifically for all food applications with the HACCP temperature danger zone indication with clear safe/unsafe LED warnings. Green LED means safe and red LED warns temperature is potentially unsafe. Unit comes complete with integral penetration probe to verify unsafe readings with accurate core temperature checks. Monitor cooking, cooling and food holding times with the countdown timer.

Other features:

- LED target illumination.
- IP54-rated case.
- NSF Certified.
- Audible alarm signal.
- Backlit display.
- Auto switch off.
- Includes carrying pouch.



Mfg Part #	Temp. Range	Unit	Stock#	PRICE
C818FS	-40° to 390°F	EA	706-3818	\$156.00

HiTemp140-2 Data Loggers

Rugged, waterproof, high-precision, temperature logger that is built for use in harsh environments, which enables it to be used for a multitude of different applications; such as autoclaves. These data loggers can indefinitely withstand temperatures of -40 up to 140°C, and have an accuracy of $\pm 0.1^\circ\text{C}$. Must purchase Data Logger Software (#243-3001) to complete the package; which is the software, USB cable, and cradle. #243-3003 comes with a NIST Certificate; calibration points are 30°C & 140°C.

Other Features:

- Autoclave chamber mapping.
- Refrigerator/freezer monitoring and mapping.
- Continuous oven monitoring.
- Resolution: 0.01°C .
- Calibrated Accuracy: $\pm 0.1^\circ\text{C}$ (+20 to 140°C), $\pm 0.3^\circ\text{C}$ (-20°C to 19.99°C).
- Memory: 32,700 readings.
- Material: 316SS.
- Probe: 2".
- Measurement: total 68 mm (2.6") x 25 mm (1").
- Submersible.
- NIST traceable.
- Programmable start and stop times.
- Battery life indicator.
- Simple set up and installation.
- Minimal long-term maintenance.



Description	Unit	Stock#	PRICE
-40 to 140°C, 2 inch probe, 68 x 25 mm	EA	243-3000	\$498.98
-40 to 140°C, 2 inch probe, comes with an NIST certificate at 30°C and 140°C	EA	243-3003	\$558.78

HiTemp140 Data Logger Software Package

Using the HiTemp140 software, starting, stopping and downloading is simple and easy. To use, simply place the HiTemp140 data logger on the docking station (cradle), which is included. Using the software, an immediate or delay start can be chosen, as well as the reading rate. Start the data logger, remove it from the docking station and the device is ready to be deployed. Graphical, tabular and summary data is provided for analysis and data can be reviewed in Celsius or Fahrenheit degrees. The data can also be automatically exported to Excel® for further calculations. Software features: multiple graph overlay, statistics and digital calibration. Minimum/maximum/average lines. Data table view and summary view. Automatic report generation. Multilingual, timeslice, and user-friendly file management. Windows based software.



Description	Unit	Stock#	PRICE
Software, cradle & USB cable	PK	243-3001	\$119.95



Prices subject to change.

DATA LOGGERS

MadgeTech Therm-A-Lert Data Logger

The MadgeTech Therm-A-Lert is a temperature monitoring and alarming system, designed specifically for laboratories, warehouses and other environments where temperature monitoring is critical. The system can be used to monitor a single location, or expanded to monitor hundreds of locations over a broad area with the purchase of additional units. Programmable alarms configured to send a message via text message, on-screen alarm and/or via email if an alarm condition is met. The #243-3006 transceiver is required. Software included.



Features:

- 2-year battery life.
- Precision RTD Sensing Element.
- View data in real time.
- NIST Certificate upon request.
- Fast installation.
- Full communication from onePC.
-

Software features:

- Multiple graph overlay.
- Battery life indicator.
- Digital calibration.
- Copy to Excel®.
- Statistics, Min/Max Data line.
- Summary view.
- Lethality equations (FO, PU).
- 30,000 Readings.
- XP® SP3/Vista®/Windows® 7/Windows® 8.

Temperature Range	Unit	Stock#	PRICE
-20 to 80°C	EA	243-3004	\$228.99

Accessories

Transceiver	EA	243-3006	\$198.92
-------------	----	-----------------	-----------------

MadgeTech Therm-A-Lert P Data Logger

The MadgeTech Therm-A-Lert P Data Logger is a temperature monitoring and alarming system, designed specifically for laboratories, warehouses and other environments where temperature monitoring is critical. The system can be used to monitor a single location or expanded to monitor hundreds of locations over a broad area when you add the wireless loggers and transceivers.



The Therm-A-Lert P provides real time wireless notification of temperature. The data logger features user programmable alarms that can be configured to send a message via text message, on-screen alarm and/or via e-mail if an alarm condition is out of specification. The standard Therm-A-Lert P includes an RTD probe with a 9 ft. lead wire and a 4.5" probe sheath.

The #243-3007 comes with a 60 mL glycol bottle so when it is placed into a chamber the temperature of the glycol is measured rather than the air temperature. This eliminates the issue of a chamber's temperature varying when a door is opened and closed, but rather keeps a consistent temperature of the chamber. Must purchase #243-3006 transceiver. Software included.

Specifications	Unit	Stock#	PRICE
-200 to 260°C	EA	243-3005	\$298.99
-50 to 80°C with 60 mL Glycol Bottle	EA	243-3007	\$328.98
-200 to 260°C with NIST Certificate @ -10 & 70°C	EA	243-3008	\$358.98
Accessories			
Transceiver	EA	243-3006	\$198.92

VTMS Digital Data Logger

MadgeTech's VTMS is ideal for the continuous measurement and data logging of temperature sensitive laboratory equipment such as freezers, refrigerators, coolers, and incubators. The system includes an NIST traceable RFTCTemp2000A data logger with thermocouple and Glycol bottle. The convenient LCD ensures the temperature parameters are met in real time. Starting, stopping, and downloading from the device are all performed wirelessly using the #243-3006 wireless transceiver. The current reading, minimum, maximum, and average statistics can all be obtained through the display. The software capabilities will alert user, or other personnel via e-mail or text message if your equipment has failed or if the temperatures fall out of range. Included is the new MadgeTech 4.90 Windows®-based software. Compatible with Windows® XP/Vista®/Windows® 7, 8, and 10. Battery life is typically 3 years at a 1 minute reading rate.



Specifications	Stock#	PRICE
-20 to 60°C	243-3012	\$398.84

Call Customer Service at 800-826-8302

DATA LOGGERS

Thermco® Extended Range Temperature Data Logger

The HITemp 135°C Temperature Data Logger is a rugged, submersible, battery-powered, stand alone device which can be used to automatically record temperatures between -40° and 135°C. This is the perfect replacement for Maximum-Registering Thermometers where mercury is no longer acceptable. This all-in-one compact, portable, easy to use device is able to measure and record up to 32,767 temperature measurements. The 2" rigid probe has a fast response time to ensure accurate temperature readings and is ideal for harsh environments, such as autoclave verification. Its real time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started or stopped directly from your computer and its small size allows it to fit almost anywhere. The HITemp 135°C makes data retrieval quick and easy. Simply plug the device into an empty COM or USB port and our user-friendly software does the rest. NIST traceable certificate included.

**Specifications:**

- Sensor: 100 O Platinum RTD calibration: digital calibration through software.
- Temp Range: -40° to 135°C calibration date: automatically recorded within device.
- Temp Resolution: $\pm 0.5^\circ\text{C}$.
- Time Accuracy: ± 1 minute/month at 20°C (RS232 cable not in use).
- Computer Interface: PC serial: 2,400 baud.
- Software: All Windows applications compatible only.
- Dimensions (Body): 1.1" x 1.75".
- Dimensions (Probe): 2.0" x 3/16".
- Material: 316 stainless steel.

Description	Unit	Stock#	PRICE
HITemp 135 Data Logger	EA	511-3135	\$439.17
Software, USB Cable & Cradle	EA	511-3200	\$131.62

Thermotrack Thermo Button Temperature Logger

Thermo Buttons are the smallest temperature loggers in the world at 17 mm in diameter! Monitor and record your temperatures in incubators, coolers, refrigerators, freezers, transportation, or whenever temperature control is needed. These small, rugged buttons can survive harsh environments and are resistant to dust and water. Collected data are stored with date and time in the protected memory. Programmable low and high alarm threshold with temperature parameters.



Choose the Thermo Button that fits the temperature range and customize for your needs. For coolers, refrigerators, incubators, and transportation the PVC card (#250-3600) is suggested. Should you have several buttons, additional button readers are suggested. Choose your software package below, which will include the USB cord and reader to upload and download your information.

Description	Accuracy	Sample Rate	Unit	Stock#	PRICE
-40 to 85°C	$\pm 1^\circ\text{C}$	1 minute to 255 minutes	EA	250-3100	\$30.46
-40 to 85°C	$\pm 0.5^\circ\text{C}$	1 second to 273 hours	EA	250-3105	\$58.29
0 to 125°C	$\pm 0.5^\circ\text{C}$	1 second to 273 hours	EA	250-3200	\$82.69
Accessories					
Thermo Button Water-proof Capsule			EA	250-3205	\$54.67
Thermo Button Reader and USB Cord			EA	250-3110	\$48.28
Nelson-Jameson PVC Card			EA	250-3600	\$6.82

Thermotrack Hygro Button Data Logger

The ideal tool for monitoring your temperature and humidity, especially in coolers. Programmable high and low alarm thresholds with parameters for temperature and humidity. Software is needed to complete your data logger system.



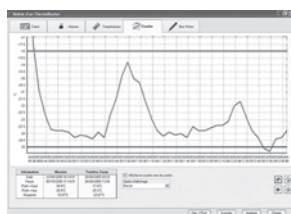
Description	Accuracy	Humidity Accuracy	Sample Rate	Unit	Stock#	PRICE
Humidity & Temperature Data Logger, -20 to 85°C	$\pm 0.5^\circ\text{C}$	$\pm 5\%$	1 sec to 273 hour	EA	250-3300	\$104.98

Call the Laboratory Experts at Nelson-Jameson for assistance to help find the perfect fit for all your temperature monitoring needs.

DATA LOGGERS

Thermotrack PC Software

Use to mission your Thermo Buttons to set the sample rate, clock, alarm thresholds, and associate a Thermo or Hygro Button with a product, piece of equipment, lot #, or vehicle. To use, just plug the reader into the USB connection on your PC and place the button on the reader. Download data or remission the button. Graph and temperature list are automatically displayed and at a glance you can see high and low temperatures, as well as the alarm list. Comes complete with reader and USB cord.



Other Features:

- Relaunch your Thermo or Hygro Button.
- Automatically print the graph when reading the button.
- Save the graph as a PDF by email.
- Automatically save the result on the database.
- Archive your data on the server.
- Create folders and sub-folders for your archives.
- Compatible with only Windows systems.
- Export the report to Excel® or export to a 3rd party software (LIMS, ERP, etc.).
- Online support when needed.
- Create mission profiles to mission your buttons quickly.
- Security with a password.
- CFR21 part 11 compliant.

Description	Accommodates	Unit	Stock#	PRICE
Solo software	1 Thermo Button	EA	250-3400	\$110.66
Cinco software	Up to 5 Thermo Buttons	EA	250-3500	\$444.00
PC PRO	For unlimited Thermo Button software	EA	250-3800	\$612.95

USB Temperature Data Logger

Easier to use than the SP100, the SP125 features new high speed USB connectivity, high/low LED alarm and replaceable battery. Self-contained and compact logger with internal sensor for recording air temperature. User-friendly, Windows®-based A016 software makes it simple to integrate recorded temperature and humidity data into documents and spreadsheets. Software and interface cable (A016) is needed to communicate with this product and is sold separately.



- Temperature range: -10° to 176°F.
- Accuracy: $\pm 1.2^\circ\text{F}$ ($\pm 0.7^\circ\text{C}$).

Mfg Part #	Description	Unit	Stock#	PRICE
SP125	Pro Series logger	EA	237-2011	\$107.46
A016	Software and interface cable	EA	237-2013	\$83.17

Thermco® Micro-Therm USB Data Logger

Small, rugged, waterproof, and dustproof with an LCD display and built-in USB 2.0 connector. Provides easy monitoring and recording of temperatures in your freezer, refrigerator, incubator, or anywhere a recorded temperature is needed. Features a three digit LCD display, direct USB connection, wide temperature range, high accuracy, and large 8K or 32K sampling memory. Includes analysis functionality such as statistic minimum, maximum and average, enabling a quick glance summary of the environment, and historical analysis. Data can be displayed on the small screen or downloaded to PC via the USB connector. Comes with the software. NIST Traceable Certificate with a temperature point of your choice is available at an additional charge.



Features:

- High Sampling Rate of 1 per second.
- Rapid data download to graph, table view or Excel® spreadsheet.
- High accuracy sensors.

Size	Range	Unit	Stock#	PRICE
4.3" L x 1" W	-40° to 80°C/-40° to 176°F	EA	511-3615	\$105.05

Testo 174T Mini Temperature Data Logger

Compact data logger ideal for monitoring temperature measurements in refrigerators, freezers, cold rooms, and display cases. Secure data protection even with drained battery. Large memory, splashproof IP65 rating, internal NTC (negative temperature coefficient) sensor for high accuracy. User selectable 1 min to 24 hr. measuring cycle. Battery life up to 500 days. Operating temperature & measuring range: -22° to 258°F/-30° to 70°C. Accuracy $\pm 0.5^\circ\text{C}$. Resolution: 0.1°C. Software operating system Windows XP®, Vista®, Win7®. Free software download at www.testo.com, or order optional Testo ComSoft Basic V5 software CD for data management via USB interface. ISO 9001 certified, FDA compliant materials. Wall bracket, two CR2032 lithium batteries and Certificate of Conformance included. Optional NIST certificate available.



Mfg Part #	Description	Unit	Stock#	PRICE
05721560	174T Mini data logger	EA	659-3150	\$81.61
05720561	174T Starter kit, includes USB interface	KT	659-3561	\$214.01

Accessories

05720500	USB interface	EA	659-3500	\$119.44
05150028	CR2032 Battery	EA	659-3028	\$5.97
4005201901	NIST Certificate, 3-points	EA	659-3999	\$90.00

Call Customer Service at 800-826-8302

DATA LOGGERS

Testo 174H Mini Temperature/Humidity Data Logger

Reliable humidity and temperature monitoring for indoor climate conditions in warehouses, production and process areas, even confined spaces. Capacitive humidity sensor with proven long-term stability. Displays both current temperature or humidity values. IP20 protection class. Secure data protection, large memory, alarms easily viewed on display. Operating and measuring range 0 to 100% RH, -4° to 158°F/-20° to 70°C. Battery life up to one year. Software operating system: Windows HP®, Vista®, Win7®. Free software download at www.testo.com, or order optional Testo ComSoft Basic CD for data management. ISO 9001 certified. Wall bracket, two CR2032 lithium batteries and Certificate of Conformance included. Optional NIST certificate available.



Mfg Part #	Description	Unit	Stock#	PRICE
05726560	174H Mini data logger	EA	659-3174	\$129.39
05720566	174H Starter kit, includes USB interface	KT	659-3566	\$278.71
05720500	USB interface	EA	659-3500	\$119.44
05150028	CR2032 battery, 1 ea	EA	659-3028	\$5.97
4005201901	NIST Certificate, 3-points	EA	659-3999	\$90.00

Extech® Humidity & Temperature Data Logger

Compact, powerful and easy to use, the model 42270 data-logger delivers accurate monitoring of temperature and humidity in food production areas and other applications.

Features:

- Use in storage crates, shipping vans, freezers, cook chambers, refrigerators, shipping crates, warehouses, and more.
- Logs data for days, weeks or months - up to 1 year battery life.
- Multiple Dataloggers (42270) can be programmed and data downloaded from one single docking station.
- Programmable sampling rate from 1 sec to 2 hours plus Hi/Lo limits with alarm indication.
- View humidity and temperature on LCD display.
- Three start methods: Scheduled, immediate or magnetic.
- Real time clock stores date & time with data.
- Wide operating range - Humidity: 0 to 100% RH, Temperature: -40 to 185°F (-40 to 85°C).
- Accuracy for humidity: ±3% RH.
- Accuracy for temperature: ±1°F (-4 to 122°F), ±2°F (-40 to -4°F, 122°F to 185°F).
- Model 42275 - Temperature and Humidity Datalogger Kit includes software and docking station.

NOTE: Order model 42270 (Datalogger Module only) as a replacement unit or as an addition to the kit. The datalogger by itself cannot function without the software and docking station.



Mfg Part #	Description	Unit	Stock#	PRICE
42275	Temperature/Humidity Datalogger Kit w/ docking station & PC software	KT	228-3275	\$179.98
42270	Data logger only	EA	228-3270	\$109.98

For all your temperature monitoring needs - we have you covered. The next several pages cover digital, glass, probe PMO compliant, certified, and bi-metal thermometers. Don't see what you need? Call us at 800-826-8302.

HYGROMETERS & DIGITAL THERMOMETERS

COOPER-ATKINS® Mini Temperature/Humidity Instrument

Digital, compact instrument with dual LCD display and min/max memory feature.

Temperature range: -10°C to 50°C, accuracy: 1.0°C, resolution: 0.1°C.

Humidity range: 10 to 99% relative humidity (RH), accuracy:

± 5% from 25 to 95% RH, resolution: 1% RH. 1-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
TRH122M	Mini temp/RH instrument	EA	047-3027	\$65.46

COOPER-ATKINS® Wall Thermometer/Hygrometer

Oversized wall thermometer allows for easy monitoring of temperatures. Special colored-zone units for HACCP reference. Developed for use in critical food related cooler applications. Range 10° to 80°F, 0 to 100% relative humidity. Case diameter: 12". Includes attached wall bracket. 1-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
212-159-8	Cooler wall thermometer	EA	047-3029	\$43.30

Jumbo Wall Thermometers

Ideal for coolers, warehouses, storage areas or processing rooms. Weather-proofed for indoor/outdoor use. -60° to 120°F dial with 2° divisions. Plastic lens.



Dial Size	Unit	Stock#	PRICE
12" dia	EA	450-2112	\$12.59
18" dia	EA	450-2118	\$42.84

COOPER-ATKINS® Indoor/Outdoor Thermometer

Digital thermometer with large 1.5" LCD indoor/outdoor display. Wall mount with adhesive strip, or counter top display using folding stand. Water resistant. Range: -58° to 158°F. Accuracy ± 2°F of reading. 10' cord length. Powered by one AAA battery (included). 1-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
1070	Indoor/outdoor thermometer	EA	047-3028	\$31.01

Extech® Big Digit Indoor/Outdoor Thermometer

Large LCD display conveniently shows both indoor and outdoor temperatures from -58° to 158°F. Complete with internal and 9.6 ft outdoor temperature sensor, built-in stand, AAA battery and wall mounting.



Mfg Part #	Description	Unit	Stock#	PRICE
401014	Indoor/Outdoor Thermometer	EA	228-3418	\$26.99

Thermco® Flip Probe Digital Pocket Thermometer

A digital pocket thermometer that is reasonably priced yet offers all the important characteristics of more expensive models. Plastic casing.

Features:

- 5-1/8" probe.
- Includes N.I.S.T. traceable certificate.
- Probe folds in & out for on & off switch.
- Data hold/test function.
- 1 second temperature sensing time.
- Minimum/maximum memory.
- C/F switchable.
- Resolution: 0.1°
- Accuracy: ± 1.00.



Temp. Range	Unit	Stock#	PRICE
-58° to 302°F, -50° to 150°C	EA	511-3500	\$25.39

Thermco® Thermojack Flip Thermometer

Get incredible accuracy with this economical, flip, pocket-sized, digital thermometer. +/- 0.5°C accuracy at -20° to 150°C, +/- 1.0°C at -40° to -21°C and 151° to 250°C. Convertible from Celsius to Fahrenheit. Readings of -40° to 250°C/-40° to 482°F. 2.5" flip probe. Splash-proof IP65. Convenient pocket size of 4.5" length. Comes with an NIST traceable certificate.



Range	Accuracy	Unit	Stock#	PRICE
-20 to 150°C	+/- 0.5°C	EA	511-3501	\$48.00

Additional digital thermometers can be found on the next pages...

Call Customer Service at 800-826-8302

DIGITAL THERMOMETERS

Testo Folding Thermometers

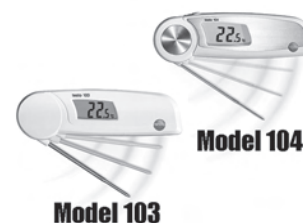
Simply unfold and measure. Testo folding thermometers offer important advantages to suit your food application for both core temperature and spot check measurements. HACCP compliant and certified to EN 13485. Optional NIST certificate available. Two-year warranty included.

Model 103 Features:

- Compact-only 4.5 inches long.
- Narrow probe tip for optimum measuring flexibility.
- Auto shut-off.
- ABS housing is easy to keep clean.
- IP55 rated.
- Selectable unit of measure - °F or °C.
- Measuring range -22° to 428°F (-30° to 220°C).
- Resolution: 0.1°C/0.1°F.
- Accuracy: ±0.9°F (±0.5°C) from -22°F to 212°F (-30°C to 99.9°C); ±1% of the measurement over 212°F (100°C).

Model 104 Features:

- Waterproof - IP65 rated.
- Compact-only 6.4 inches long.
- Super rugged design, built for extreme, everyday use.
- Large, backlit display.
- Rubberized backing for safety and security on all surfaces.
- Auto-Hold and Min/Max storage.
- Auto final value recognition.
- Color-coded adhesive tabs for identification for work areas or users.
- Selectable unit of measure - °F, °C or °R.
- Measuring range -58° to 482°F (-50° to 250°C).
- Resolution: 0.1°C/°F/°R.
- Accuracy: ±1.8°F (±1.0°C) from -58°F to -22°F (-50°C to -30°C); ±9°F (±0.5°C) from -22°F to 212°F (-30°C to 99.9°C); ±1% of the measurement over 212°F (100°C).



Model	Unit	Stock#	PRICE
103	EA	659-3103	\$79.63
104	EA	659-3104	\$104.51

Hanna® HI98509 Checktemp® 1 Digital Thermometer

A high-accuracy thermometer with a 1 m (3.3') flexible, silicone cable connecting the meter and the stainless steel probe. The sharp-tip penetration probe easily lances semi-solid products such as fruits, vegetables, and cheeses. This probe can also handle liquid, air and measurements in frozen materials. The probe incorporates an NTC thermistor sensor to measure the temperature.

Thermistors make it possible to obtain extremely high accuracy in a very short period of time. The Hanna CAL Check™ feature has been incorporated into the Checktemp 1 for reliable and accurate measurements. CAL Check automatically runs a self-check upon startup and reports status back to the user; 0 for okay and ERR if something is wrong. Checktemp 1 makes routine controls fast and simple for both incoming and outgoing goods. Constructed of AISI 316 stainless steel material, this probe is in compliance with food regulations, making it an ideal instrument for measuring temperature according to HACCP requirements. 1-year warranty.



HANNA®
instruments

Range	Resolution	Accuracy	Probe	Battery Type	Unit	Stock#	PRICE
-50.0 to 150.0°C, -58.0 to 302.0°F	0.1°C, 0.1°F	±0.3°C (-20.0 to 90°C); ±0.5°F (-4 to 194°F)	Stainless steel probe (3.8 x 0.14" dia) w/ 3.3' silicone cable	3 x 1.5V AAA	EA	296-3509	\$39.00

Prices subject to change.

DIGITAL THERMOMETERS

Hanna® HI98501 Checktemp® Digital Thermometer

A digital thermometer with stainless steel penetration probe. It delivers high-accuracy temperature measurements over a wide temperature range without worrying about breakage or condensation. The Checktemp offers NO breakage, NO waste, NO injuries, and NO difficulty in reading; the digital display prevents a parallax error (observing the wrong measurement due to the angle of view) and is optimized for a wide range of environmental temperatures. Checktemp is provided with Hanna's unique CAL Check™ function for accurate measurements every time. The Checktemp implements a CAL Check upon startup and reports the status as 0 or Err. The sharp-tip probe of the Checktemp easily penetrates semi-solid products making routine temperature checks simple and quick for both incoming and outgoing goods. Checktemp is the ideal instrument for measuring temperature according to HACCP requirements. 1-year warranty.



Range	Resolution	Accuracy	Probe	Battery Type	Unit	Stock#	PRICE
-50.0 to 150.0°C, -58.0 to 302.0°F	0.1°C, 0.1°F (58 to 199.9°F), 1°F (other ranges)	±0.3°C (-20.0 to 90°C); ±0.5°F (-4 to 194°F)	Fixed, stainless steel probe; 106 x ø 3.6 mm (penetration)	3VCR2032 Li-ion Bat- tery	EA	296-3501	\$37.00

COOPER-ATKINS® Coolit-Rite™ Cooling Monitor

The FDA Model Food Code requires potentially hazardous food be cooled from 135° to 41°F or lower in less than six hours (provided that it is cooled from 135° to 70°F within the first two hours) after cooking or hot holding. Meeting those requirements is easier with this convenient cooling monitor. The Coolit-Rite timer tracks elapsed time while it monitors the temperature of the food being cooled. Timer counts up when the temperature drops below 41°F (or time expires), and displays final temperature. Waterproof and NSF rated. Includes an adjustable vessel clip. Accurate for Life, guaranteed.



Mfg Part #	Description	Unit	Stock#	PRICE
TTM41	15" stem, 0.1 degree resolution	EA	047-3026	\$52.83

Thermco® Deluxe T-Handle Waterproof 180° Rotating Head Digital Thermometer

- Thermometer head rotates 180° for easy viewing.
- Waterproof.
- 5" Stainless steel probe.
- Comes with an NIST traceable certificate.



Range	Unit	Stock#	PRICE
-50° to 150°C & -58° to 302°F x 0.1°C & F	EA	511-3340	\$25.87

Thermco® Long Stem Laboratory Digital Thermometer

- 8" Stainless steel probe with protective sheath.
- Comes with an NIST traceable certificate.



Range	Unit	Stock#	PRICE
-50° to 150°C & -58° to 302°F x 0.1°C & F	EA	511-3108	\$24.11

Thermco® T-Handle Digital Thermometer

Thermco® Deluxe Waterproof Pocket Digital

- Waterproof.
- 3.5" Stainless steel probe.
- Sheath used as an extension to the thermometer.
- Comes with an NIST traceable certificate.



Range	Unit	Stock#	PRICE
-50°C to 150°C & -58° to 302° F x 0.1°C & F	EA	511-3600	\$22.36

- T-shaped head for easy reading.
- 5" Stainless steel probe with protective sheath.
- Comes with an NIST traceable certificate.



Range	Unit	Stock#	PRICE
-50° to 150° C & -58° to 302°F x 0.1°C & F	EA	511-3320	\$22.36

Call Customer Service at 800-826-8302

POCKET THERMOMETERS

Thermco® Pocket Dial Digital

- 1-1/2" dial.
- 5" Stainless steel probe with protective sheath.
- Comes with an NIST traceable certificate.



THERMCO
PRODUCTS, INC.

Range	Unit	Stock#	PRICE
-50° to 150°C & -58° to 302°F x 0.1°C & F	EA	511-3300	\$18.53

Pocket Thermometers

Premium quality, American-made pocket thermometer preferred by dairy and food personnel for spot checking. Stainless steel construction. 1" dial printed with large, black numbers—easy-to-read from any angle. Polycarbonate lens. Includes plastic carrying case with pen clip. 5" L x 0.15" diameter spike stem. Accuracy: $\pm 1\%$ of scale. External recalibration.



Range	Divisions	Unit	Stock#	PRICE
0° to 220°F	2°	EA	657-2020	\$25.07
25° to 125°F	1°	EA	657-2025	\$25.07

Digital Pocket Thermometer

Offers the easy-reading convenience of digital display with one-tenth degree resolution. Runs on 1.5V button battery (#AB13), which is included and replaceable. Updates temperature at 10 second intervals so thermometer can be removed from test area and read before ambient temperature affects display. Push "fast update" button to display changes in 1 second intervals for applications requiring continuous observation. $\pm 2^\circ$ accuracy. Plastic lens. Stainless steel 5" L x .15" diameter spike stem. Plastic carrying case. NSF approved.



Range	Unit	Stock#	PRICE
-58° to 300°F/-50° to 150°C	EA	706-2500	\$17.18
Battery, 1.5V, 2/pk	PK	706-7000	\$4.04

COOPER-ATKINS® Digital Pocket Test Thermometer

Digital pen-style thermometer for general temperature. Stainless steel 2-3/4" stem with reduced tip for quick response time of less than 6-seconds. Min/max/hold modes, waterproof, anti-microbial. Range -40° to 200°C. Accurate for life, lifetime guarantee. NSF.



Cooper
ATKINS

Mfg Part #	Description	Unit	Stock#	PRICE
DPP400W	Pen-style thermometer	EA	047-3991	\$25.42

Pen Style Digital Pocket Thermometer

Convenient pen-style thermometer stands up to the constant use common in food plants. Water resistant, it operates accurately in damp, wet or humid environments. LCD display is large and easy-to-read. Data hold and continuous update feature. On/off button and automatic power off function. Accuracy $\pm 2^\circ\text{F}/\pm 1^\circ\text{C}$. 3" stem. Uses 1.5V button battery (#AB13), which is included and replaceable.



Range	Unit	Stock#	PRICE
-58° to 300°F/-50° to 150°C	EA	706-2300	\$21.59

Thermco® Shock & Waterproof Digital Thermometer

Features:

- Min/max memory.
- Head 1-3/4".
- Waterproof and shock-proof.
- C/F switchable.
- Hold test function.
- .5" stainless steel stem with probe cover.
- Comes with an NIST traceable certificate.



THERMCO
PRODUCTS, INC.

Range	Accuracy	Unit	Stock#	PRICE
-50/300°C (-58/572°F)	$\pm 1.0^\circ\text{C}$	EA	511-3400	\$22.84

COOPER-ATKINS® Digital Pocket Test with Alarm

Stainless steel 5" stem with reduced tip for response time of less than 6 seconds. Min/max/hold modes. Range: -40° to 232°C $\pm 0.1^\circ\text{C}$. Visual alarm with blinking display once set temp is reached. Also stores the max temp reached. Accurate for Life, lifetime guarantee. NSF.



Cooper
ATKINS

Mfg Part #	Description	Unit	Stock#	PRICE
DFP450W	Pocket test with alarm	EA	047-3025	\$33.28

Prices subject to change.

BI-METAL THERMOMETERS

COOPER-ATKINS® Bi-Metal Pocket Thermometer

Pocket test 1" dial thermometer is field calibratable. Stainless steel 5" stem. Range: 0 to 220°F. Accuracy: $\pm 2^\circ\text{F}$. Meets NSF regulatory requirements for food contact surfaces. Red protective sheath included. 1-year warranty. Not for laboratory use.



Mfg Part #	Description	Unit	Stock#	PRICE
1246-02	Bi-metal pocket thermometer	EA	047-3030	\$7.87

Economy Pocket Thermometers

If your plant goes through a lot of pocket thermometers...this economical alternative may be what you're looking for. Features include plastic 1" magnifying dial cover for easy reading, stainless steel construction and plastic carrying case. 5" L x 0.15" diameter spike stem. External recalibration. NSF approved. 12/box.



Range	Divisions	Unit	Stock#	PRICE
0° to 220°F	2°	EA	706-2320	\$4.49
-40° to 160°F	2°	EA	706-2360	\$4.49

Food Testing Skewer Thermometers

Determine meat and other food temperature with these extremely accurate bimetal testing thermometers. Stainless steel spiked stem easily penetrates most products. Easy to recalibrate. Accuracy $\pm 1\%$ of scale. 1-3/4" dial with polycarbonate lens. 0.15" diameter stem. NSF certified. Available in two lengths. Plastic carrying case with pen clip is optional.



Stem	Range	Unit	Stock#	PRICE
5"	0° to 220°F	EA	657-2038	\$35.28
8"	0° to 220°F	EA	657-2039	\$35.65
Plastic case for 5" stem	-	EA	657-2042	\$2.78
Plastic case for 8" stem	-	EA	657-2043	\$3.20

Like the convenience of ordering online? Visit our website at nelsonjameson.com

Testing Thermometers

These accurate bimetal thermometers are perfect for general purpose dairy and food plant testing. They come complete with adjustable clamp for tank and tray mounting. Stainless steel stem can be inserted directly into vats, vessels or trays. Ideal in the laboratory. Dial printed with large black numbers for ease of reading from any angle. Polycarbonate lens. External recalibration. Stem diameter 0.15". Available with 2" or 3" dials.



Stem	Range	Divisions	Unit	Stock#	PRICE
2" Dial					
8"	0° to 220°F	2°	EA	657-2220	\$39.07
8"	25° to 125°F	1°	EA	657-2225	\$39.07
12"	0° to 220°F	2°	EA	657-2240	\$43.73
12"	25° to 125°F	1°	EA	657-2245	\$43.73
18"	0° to 220°F	2°	EA	657-2260	\$57.72
18"	25° to 125°F	1°	EA	657-2265	\$57.72
3" Dial - Dual Scale					
8"	0° to 220°F/-10° to 100°C	2°	EA	657-2280	\$39.95
8"	25° to 125°F/0° to 50°C	1°	EA	657-2285	\$39.95

Dial Thermometer and Float

Accurate stainless steel dial thermometer that screws directly into stainless steel float. Combination makes an exceptionally reliable, easy-to-read, moisture-proof floating thermometer. Impossible to tip over. Bobs right through agitators in cheese vats. Thermometer features hermetically sealed case, silicone damped bimetal element, plexiglass lens, 50% overrange protection, and sealed external recalibration screw. Range is 0° to 220°F with 2° divisions. Accuracy $\pm 1\%$ of scale. 9" stem. 5/16" - 24" fine thread connection. Thermometer and float sold separately.



Description	Unit	Stock#	PRICE
Thermometer	EA	563-2015	\$75.13
Float	EA	450-2025	\$61.76

Adjustable Thermometer Clamps

An inexpensive way to keep the thermometer where you want it. Slip clamp onto thermometer stem; clip it on your tank, tray or beaker. Valuable aid in the laboratory. Available for two stem diameters.



Fits	Unit	Stock#	PRICE
0.15" dia	EA	657-2090	\$2.78
0.25" dia	EA	657-2092	\$2.78

Call Customer Service at 800-826-8302

BI-METAL THERMOMETERS

Nelson-Jameson Bi-Metal Thermometers

Rugged, workhorse thermometers that are popular throughout the food and dairy industry. They're designed to withstand tough treatment and difficult environments, yet provide superb accuracy and reliability. Standard features include:

- Sanitary type 304 stainless steel construction; designed to meet rigid sanitation standards.
- Plexiglass lens; eliminates danger of broken glass in food processing areas.
- Accurate, bimetal element; removes the hazards associated with mercury filled thermometers.
- Silicone damping; minimizes pointer vibration and improves heat transfer for quick response.
- Hermetically-sealed case; sealed at the factory to prevent rust, leaks and contamination.
- Overrange protection; extends 50% beyond range.
- External recalibration device; makes it easy to maintain accurate readings.

Accurate to $\pm 1\%$ of scale, Nelson-Jameson thermometers provide a cost-effective way to monitor temperature of lines, tanks, vats or equipment. Threaded 1/2" NPT connection with .25" diameter stem to fit standard wells.

Easy-to-read dials are available in three sizes and two ranges. Stem lengths from 2-1/2" up to 24". Graduations are 1° increments on 25° to 125°F dials; 2° increments on 0° to 220°F dials. Plexiglass lens is suitable for room temperature up to 150°F. For greatest accuracy, stem should be inserted at least 2" into liquids. Stem length is measured from tip of stem to top of thread.

Bi-Metal Thermometers - 2" Dial



Stem Length	Range	Unit	Stock#	PRICE
0° to 220°F Range				
4"	0° to 220°F	EA	563-2124	\$55.98
6"	0° to 220°F	EA	563-2126	\$55.98
9"	0° to 220°F	EA	563-2129	\$55.98
12"	0° to 220°F	EA	563-2132	\$62.68
15"	0° to 220°F	EA	563-2135	\$68.51
18"	0° to 220°F	EA	563-2138	\$74.34
24"	0° to 220°F	EA	563-2144	\$86.00
25° to 125°F Range				
9"	25° to 125°F	EA	563-2130	\$55.98
12"	25° to 125°F	EA	563-2133	\$65.08
15"	25° to 125°F	EA	563-2136	\$68.51

Bi-Metal Thermometers - 3" Dial



Stem Length	Range	Unit	Stock#	PRICE
0° to 220°F Range				
2 1/2"	0° to 220°F	EA	563-2025	\$63.03
4"	0° to 220°F	EA	563-2027	\$63.03
6"	0° to 220°F	EA	563-2030	\$63.03
9"	0° to 220°F	EA	563-2032	\$63.03
12"	0° to 220°F	EA	563-2050	\$72.30
15"	0° to 220°F	EA	563-2035	\$80.24
18"	0° to 220°F	EA	563-2037	\$88.20
24"	0° to 220°F	EA	563-2040	\$102.76
36"	0° to 220°F	EA	563-2043	\$131.89
25° to 125°F Range				
2 1/2"	25° to 125°F	EA	563-7003	\$63.03
4"	25° to 125°F	EA	563-2028	\$63.03
6"	25° to 125°F	EA	563-2031	\$63.03
9"	25° to 125°F	EA	563-2033	\$63.03
12"	25° to 125°F	EA	563-2045	\$72.30
15"	25° to 125°F	EA	563-2034	\$80.24
18"	25° to 125°F	EA	563-2036	\$88.20
24"	25° to 125°F	EA	563-2041	\$102.76

Bi-Metal Thermometers - 5" Dial



Stem Length	Range	Unit	Stock#	PRICE
0° to 220°F Range				
4"	0° to 220°F	EA	563-2225	\$94.70
6"	0° to 220°F	EA	563-2226	\$94.74
9"	0° to 220°F	EA	563-2229	\$94.70
12"	0° to 220°F	EA	563-2232	\$104.01
15"	0° to 220°F	EA	563-2235	\$111.78
18"	0° to 220°F	EA	563-2238	\$119.90
24"	0° to 220°F	EA	563-2244	\$134.46
25° to 125°F Range				
6"	25° to 125°F	EA	563-7001	\$94.74
9"	25° to 125°F	EA	563-2230	\$94.74
12"	25° to 125°F	EA	563-2233	\$104.01
15"	25° to 125°F	EA	563-2236	\$111.78
18"	25° to 125°F	EA	563-7009	\$119.90
24"	25° to 125°F	EA	563-7000	\$134.46

Prices subject to change.

BI-METAL & CERTIFIED REFERENCE THERMOMETERS

Check-Set IV Thermometer Calibrator

Accurate, safe, convenient and cost effective thermometer calibration system provides accuracy at your critical control point. Ideal for plant quality assurance, process control, food safety, instrument calibration and service, and HACCP compliance. The days of cumbersome error-prone ice water baths and boiling water calibration methods are over with this simple to use temperature reference device. The rugged, reliable unit features a 304 stainless steel enclosure, includes a stem well cleaning brush along with a NIST Certificate of Calibration. The standard well insert has three probe holes for stems up to .187", .250" and .375" in diameter and four preset calibration temperatures of 40°F, 150°F, 161°F and 175°F. Serial number assigned to each unit allows for yearly recertification and warranty coverage. Additional well inserts for other stem diameters and custom calibration temperatures available by request.



Description	Unit	Stock#	PRICE
Check Set IV	EA	563-7040	\$1,494.01

Thermco® High Precision Pt100 Platinum Digital Certified Thermometer

High precision RTD digital thermometer can be used as a Laboratory Temperature Standard, for the verification and calibration of laboratory instruments and routinely used thermometers. Use for calibrating liquid-in-glass, digital and dial bi-metal thermometers; as well as laboratory instruments such as freezer, refrigerators, incubators, and ovens. It is traceable to NIST standards and is certified to your specified 2 point temperatures. This is the perfect calibration thermometer when mercury is no longer desired or acceptable.



THERMCO
PRODUCTS, INC.

Advantages of this thermometer:

- NIST Certified proving traceability.
- Customer chooses 2 temperatures for certification on the 511-3370.
- 511-3388 Certified at -20, 0, 4, 25, 37, 56, 95, 121°C.
- Includes insertion probe.
- Pt100 Platinum according to EN 60751.
- Accuracy $\pm 0.2^{\circ}\text{C}$ -30° to 110°C/1.4° to 230°F.
- Resolution: 0.1°C & F.
- Thermometer convertible C or F.
- Records minimum, maximum, & average temperatures.
- Temperature hold function.
- Waterproof.
- Backlight.
- Display: 7 segment LCD.
- Dimensions: 6"L x 2-1/2"W x 1-1/4"D.

Range	Unit	Stock#	PRICE
-100° to 300°C & -140° to 570°F	EA	511-3370	\$484.05
-100° to 300°C & -140° to 570°F	EA	511-3388	\$473.82

When a mercury reference thermometer is not acceptable, the thermometers on this page and the next are the perfect substitute!

Thermco® Digital Pasteurization Thermometers

This universally applicable process-controlled instrument is ideal for measuring operations in which high accuracy is imperative or the possibility of online documentation via PC is desired. This handheld Pt100 platinum high precision digital thermometer meets the specifications in the Grade "A" Pasteurized Milk Ordinance (PMO) Pasteurization Equipment and Controls, Digital Test Thermometers.



THERMCO
PRODUCTS, INC.

Advantages of this ultra-high precision thermometer are:

- Thermometers are certified at 5 critical temperatures: 32°, 145°, 161.6°, 180° & 191°F or 0°, 63°, 72°, 83° & 89°C.
- Recording maximum, minimum, hold and average values (average over user selectable time).
- Password protection for calibration function.
- Resolution 0.01°C/F.
- High measuring accuracy ± 0.01 for shorter ranges.
- ± 0.03 Accuracy to 199.9°C, which exceeds the $\pm 0.05^{\circ}$ PMO requirement.
- Thermometer and probe are serialized to document compatibility.
- The self-diagnostic circuitry identifies that the correct probe is attached to the correct thermometer. Without a correct connection, the display alerts the user that no temperature can be displayed.
- Dimensions: 8"L x 3.5"W x 1.5"D (203 x 89 x 38 mm).

Mfg Part #	Range	Description	Unit	Stock#	PRICE
ACCD650 P-6F	-328° to 1500°F	PMO Thermometer F° w/6" probe	EA	511-3655	\$1,106.80
ACCD650 P-12F	-328° to 1500°F	PMO Thermometer F° w/12" probe	EA	511-3650	\$1,174.51
ACCD650 P-6C	-200° to 850°C	PMO Thermometer C° w/6" probe	EA	511-3785	\$1,106.79
ACCD650 P-12C	-200° to 850°C	PMO Thermometer C° w/12" probe	EA	511-3780	\$1,174.51
		Service Case for PMO Thermometer and all accessories	EA	511-3007	\$102.70

Call Customer Service at 800-826-8302

CERTIFIED GLASS THERMOMETERS**Glass Thermometer Information**

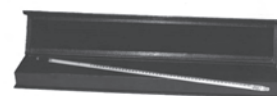
Please call Nelson-Jameson for all of your temperature monitoring needs! We have many other specialty thermometers available that are not shown. Just call us with your requirements and we will be more than happy to fulfill your requests.

Helpful hints regarding thermometers:

- Never store a spirit-filled thermometer horizontally. It should always be stored upright.
- To reunite an organic-filled thermometer, hold in an upright position gingerly tapping the stem above the separation. As you gently tap the thermometer, observe the liquid above the separation until it breaks away from the wall of the capillary and runs down to join the main column.
- To reunite a mercury-filled thermometer, contact Nelson-Jameson for instructions.
- Certified thermometers must be re-certified yearly. Call Nelson-Jameson to request this service.
- If you break a mercury-filled thermometer, use a mercury spill kit (#010-3336) for safe cleanup.
- When using mercury thermometers a procedure must be used for the proper collection, transportation, and processing of the product at the end of its life.
- Be aware of the mercury regulations within your state.

Nelson-Jameson Spirit-Filled Certified Dairy Thermometers

These reference thermometers are used in verification and certification procedures to comply with regulatory agencies or be used where extremely critical temperature readings are necessary. Each thermometer is certified against NIST standards and a certificate is supplied with any correction factors to the nearest tenth of a scale division if necessary.

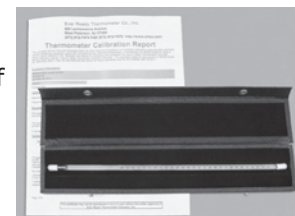


- Thermometers certified against NIST standards and are traceable to NIST.
- Certified at several critical temperature points.
- Supplied with certificate with correction factors.
- Each thermometer is coated with fluoro-polymer material.
- Each thermometer is individually serialized.
- Includes felt-lined storage case.
- Red Kerosene thermometer filled liquid.

Model	Range	Divisions	Immersion	Length	Certified Temperatures	Unit	Stock#	PRICE
ACC1005SSCFC	-1° to 101°C	0.1°C	3"	24"	0°, 7.2°, 32°, 72°C	EA	511-3005	\$263.12
ACC6113XSSCFC	-20° to 110°C	0.5°C	3"	12"	-15°, 0°, 50°, 100°C	EA	511-3113	\$241.22
ACC6103XXSSCFC	0° to 230°F	0.5°F	3"	15"	32°, 45°, 90°, 161°F	EA	511-3163	\$242.82
ACC6133XXSSCFC	-20° to 150°C	0.5°C	3"	12"	0°, 121°C	EA	511-3133	\$241.22
ACC6103XXSFC	0° to 230°F	0.5°F	3"	16"	32°, 45°, 161°F	EA	511-3000	\$188.83

Thermco® Factory Certified Laboratory Thermometers

These reference thermometers are supplied with a NIST traceable certificate of accuracy and a plush-lined, black leatherette protective case. Factory certified at -15°, 0°, 50° and 100°C. Serial number provided. Required immersion: 76 mm. Length: 12". Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Teflon Coated	Unit	Stock#	PRICE
Mercury Filled					
-20° to 110°C	0.5°C	Yes	EA	449-3066	\$241.22
-20° to 110°C	0.5°C	No	EA	449-3068	\$241.22
Spirit Filled					
-20° to 110°C	0.5°C	Yes	EA	511-3113	\$241.22
-20° to 110°C	0.5°C	No	EA	511-3068	\$241.22

THERMCO®
PRODUCTS, INC.

Prices subject to change.

GLASS THERMOMETERS

Thermco® Factory Certified Milk Testing Thermometers

This is a reference thermometer supplied with NIST traceable certificate of accuracy giving correction at 161°F and validating readings of 45° and 90°F. Yellow backing with black etching. Partial immersion: 76 mm. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Length	Teflon Coated	Unit	Stock#	PRICE
Mercury Filled						
0° to 230°F	0.5°F	15"	No	EA	511-3105	\$38.82
30° to 214°F	0.2°F	24"	No	EA	511-3043	\$116.93
Spirit Filled						
0° to 230°F	0.5°F	16"	Yes	EA	511-3610	\$182.12

Thermco® General Purpose Laboratory Thermometers

Short length total immersion thermometer. 6 to 7 mm stem diameter. Length: 5-1/2". Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
Mercury-Filled				
-20° to 105°C	1°C	EA	449-3043	\$12.78
Spirit-Filled				
-20° to 105°C	1°C	EA	511-3535	\$16.13

Thermco® Teflon® Coated Thermometers

These thermometers are completely sealed in inert, transparent Teflon which cushions glass, prevents shattering, and safeguards against contamination. Retains glass and liquid in case of breakage. Precision grade, with a white back and filled with red organic liquid. 76 mm immersion. Length: 12".



Range	Divisions	Unit	Stock#	PRICE
-20° to 110°C	1°C	EA	220-3340	\$26.99
-20° to 150°C	1°C	EA	220-3341	\$26.99
0° to 230°F	2°F	EA	220-3342	\$26.99
0° to 300°F	2°F	EA	220-3343	\$26.99

Thermco Thermometers are manufactured with the finest glass made under ISO 2001 guidelines.

Nelson-Jameson High Precision Spirit-Filled 5" Laboratory Thermometers

The Nelson-Jameson High Precision Spirit-Filled 5" total immersion laboratory thermometers are used for general laboratory procedures. Each thermometer meets the NIST tolerances of accuracy and are individually serialized for calibration procedures. All markings are permanent and are red spirit-filled with a white background with wide bore tubing for easy reading.



Range	Divisions	Immersion	Length	Unit	Stock#	PRICE
-30° to 120°F	2.0°F	Total	5"	EA	511-3532	\$16.13
0° to 220°F	2.0°F	Total	5"	EA	511-3534	\$16.13
-35° to 50°C	1.0°C	Total	5"	EA	511-3533	\$16.13
-15° to 105°C	1.0°C	Total	5"	EA	511-3535	\$16.13

Thermco® Glass Pocket Thermometers

Indispensable tool for many food-processing personnel. Etched stem is easy-to-read. Choose from mercury or red liquid-filled, and Fahrenheit or Celsius. With or without protective case. Length: 5-3/4". Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
Mercury-Filled, Without Case				
-30° to 50°C	1°C	EA	449-3008	\$7.18
-10° to 110°C	1°C	EA	449-3009	\$7.18
-30° to 120°F	2°F	EA	449-3028	\$7.18
0° to 220°F	2°F	EA	449-3075	\$7.18
Red Liquid-Filled, With Case				
-30° to 50°C	1°C	EA	449-3031	\$13.90
-10° to 110°C	1°C	EA	449-3013	\$13.90
-30° to 120°F	2°F	EA	449-3014	\$13.90
0° to 220°F	2°F	EA	449-3032	\$13.90

Call Customer Service at 800-826-8302

GLASS THERMOMETERS

Thermco® Dual Scale Laboratory Thermometers

Partial immersion etched stem thermometer has both Fahrenheit and Celsius scales. Yellow back. Nitrogen above mercury. Topped with suspension ring. 76 mm immersion. 6 to 7 mm stem diameter. Length: 12". Choose from mercury or spirit-filled. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
Mercury-Filled				
-20° to 150°C/0° to 300°F	1°C/2°F	EA	449-3065	\$20.29
Spirit-Filled				
-20° to 150°C/0° to 300°F	1°C/2°F	EA	195-3150	\$14.29

Thermco® Coliform Incubator Thermometers

Arrows mark critical temperature points of 35°, 37° and 44.5°C on these Coliform incubator thermometers. Features also include mercury-in-glass construction and are individually serialized. Meets NIST tolerances for accuracy. 76 mm immersion. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Length	Teflon Coated	Unit	Stock#	PRICE
Mercury-Filled						
34° to 46°C	0.1°C	237 mm	Yes	EA	195-3003	\$65.97
34° to 46°C	0.1°C	237 mm	No	EA	195-3004	\$59.58
Spirit-Filled						
34° to 46°C	0.1°C	237 mm	Yes	EA	511-3713	\$66.77
34° to 46°C	0.1°C	237 mm	No	EA	511-3004	\$59.58

Thermco® Incubator/Water Bath Thermometers

Incubator thermometer with engraved stem and yellow back. Has red mark at 37°C and is calibrated for 100 mm immersion. Zero point is 4-1/2" from bottom of bulb. Length: 10". Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
Mercury-Filled				
0° to 80°C	1°C	EA	155-3887	\$29.56
Spirit-Filled				
0° to 80°C	1°C	EA	511-3641	\$29.56

Thermco® Autoclave Thermometers

Maximum registering, mercury-in-glass thermometers are housed in open-faced metal armor. Critical temperature, 120°C, is marked with an arrow. Meets NIST tolerances for accuracy. Teflon® coated. #195-3024 is factory certified at 121°C. Replacement thermometer is not factory certified. Note: this product contains mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Immersion	Length	Unit	Stock#	PRICE
80° to 135°C	0.5°C	Total	200 mm	EA	195-3014	\$54.79
80° to 135°C	0.5°C	Total	200 mm	EA	195-3024	\$165.82
Replacement Thermometer						
80° to 135°C	0.5°C	Total	200 mm	EA	195-3015	\$48.40

Prices subject to change.

CERTIFIED GLASS THERMOMETERS

Thermco® Maximum-Registering Thermometers

Ideal where temperatures cannot be continuously observed. Like a fever thermometer, this unit indicates the highest temperature reached and must be shaken down before being used again. Mercury-filled. Calibrated for total immersion. Includes protective case. Length: 5-1/2". Note: this product contains mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
100° to 300°F	2°F	EA	237-3010	\$49.21
200° to 500°F	5°F	EA	195-3548	\$55.59

Thermco® Maximum-Registering Thermometers

Use where it is impossible or impractical to immediately read a thermometer that has been subjected to a certain temperature. Calibrated to read correctly after returning to room temperature. Mercury-filled. Available in either Celsius or Fahrenheit. Supplied with protective case. Length: 5-1/2". Note: this product contains mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Unit	Stock#	PRICE
Celsius Range				
-20° to 150°C	1.0°C	EA	449-3023	\$49.36
0° to 200°C	2.0°C	EA	449-3021	\$49.21
0° to 260°C	2.0°C	EA	449-3026	\$55.59
Fahrenheit Range				
30° to 220°F	2.0°F	EA	449-3027	\$44.73
40° to 300°F	2.0°F	EA	449-3006	\$44.73
30° to 400°F	5.0°F	EA	449-3007	\$44.73

Thermco® Hot Air Sterilization Thermometers

Mercury or spirit-filled sterilization monitoring thermometers. Individually serialized. Precise measurements with 0.5°C division accuracy. Meets NIST tolerances for accuracy. #195-3020 and #511-3006 are factory certified at 0° and 121°C. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Immersion	Length	Teflon Coated	Unit	Stock#	PRICE
Mercury Filled							
-10° to 220°C	0.5°C	Total	375 mm	Yes	EA	195-3010	\$37.06
-10° to 220°C	0.5°C	Total	375 mm	No	EA	195-3011	\$26.03
-20° to 150°C	0.5°C	76 mm	300 mm	Yes	EA	195-3020	\$182.12
Spirit Filled							
-10° to 220°C	0.5°C	Total	375 mm	No	EA	511-3003	\$26.03
-20° to 150°C	0.5°C	76 mm	300 mm	Yes	EA	511-3006	\$241.22

Thermco® General Lab Thermometers

These mercury or spirit-in-glass general thermometers are ideal for any general dairy lab procedure. Individually serialized. Meets NIST tolerances for accuracy. Note: some of these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering.



Range	Divisions	Immersion	Length	Teflon Coated	Unit	Stock#	PRICE
Mercury Filled							
-20° to 110°C	0.5°C	76 mm	305 mm	Yes	EA	195-3001	\$38.81
-20° to 110°C	0.5°C	76 mm	305 mm	No	EA	195-3002	\$31.63
-10° to 360°C	1°C	150 mm	455 mm	No	EA	195-3021	\$41.53
Spirit Filled							
-20° to 110°C	0.5°C	76 mm	305 mm	Yes	EA	511-3613	\$41.87
-20° to 110°C	0.5°C	76 mm	305 mm	No	EA	195-3997	\$31.63

Call Customer Service at 800-826-8302

GLASS THERMOMETERS & ACCESSORIES

Nelson-Jameson Blue Spirit-Filled
"Accu-Safe" Thermometers

Nelson-Jameson blue spirit-filled "ACCU-SAFE" thermometers are filled with an environmentally safe liquid and dye which eliminate the hazards of mercury in case of breakage. Each thermometer is individually serialized and a certificate is supplied to its accuracy. The thermometers are permanently marked and have a blue liquid against a white background for easy reading.

- Non-toxic liquid.
- Blue liquid, white background for easy reading.
- Certificate of Accuracy included with each thermometer.
- Permanent scales.
- Several ranges and divisions to choose from.

Range	Divisions	Immersion	Length	Unit	Stock#	PRICE
-20° to 110°C	1.0°C	3"	12"	EA	511-3103	\$7.18
-20° to 150°C	1.0°C	3"	12"	EA	511-3503	\$7.18
-10° to 260°C	1.0°C	3"	12"	EA	511-3603	\$11.18
0° to 230°F	2.0°F	3"	12"	EA	511-3203	\$7.34
-1° to 101°C	0.2°C	3"	18"	EA	511-3053	\$66.94
-1° to 201°C	0.5°C	3"	18"	EA	511-3153	\$74.28
0 to 230°F	2.0°F	Total	12"	EA	511-3230	\$7.34
-10° to 50°C	0.5°C	Total	12"	EA	511-3050	\$26.03

SCIENCEWARE® Mercury Collector



Collect small quantities of spilled mercury quickly and safely with a product ideal for labs and industrial workstations. Constructed of unbreakable polyethylene. Holds 125 mL of mercury. 4.125" diameter x 1.9" high.

Unit	Stock#	PRICE
EA	010-3336	\$28.75

Thermometer Cases



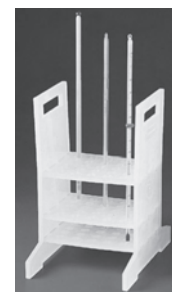
Plush-lined leatherette case with snap close holds one thermometer.

Thermometer Length	Unit	Stock#	PRICE
12"	EA	449-3912	\$23.96
18"	EA	449-3918	\$28.60

Scienceware® Thermometer Rack

Sturdy rack holds 25 thermometers in a vertical 5 x 5 arrangement. Top and middle decks have 7.9 mm diameter holes; bottom deck holes are only 3.2 mm in diameter. End plates have handles for easy carrying. 5-7/8"L x 8-3/8"W x 9-7/8"H. Autoclavable.

Unit	Stock#	PRICE
EA	010-3981	\$49.99



Prices subject to change.

BOTTLE THERMOMETERS

Thermco® Spirit-Filled Certified Bottle Chamber Thermometers

Thermco environmental chamber thermometers are ideal to monitor the critical temperatures in freezers, refrigerators, incubators, block heaters and ovens. Each thermometer is housed in a plastic bottle with an insulating fluid allowing the correct temperatures to be read after the instrument door has been opened. Each thermometer is certified and traceable to NIST and a certificate is provided to prove traceability. The 0.1°C thermometers are housed in a 60 mL bottle, the 0.5° C are housed in a 30 mL bottle and the block heater thermometers are housed in 1.5 mL micro-centrifuge tube. Spirit-Filled. NIST certified with certificate. Individually serialized. Coated with fluoro-polymer resin for safety. Housed in unbreakable bottle with insulating liquid. Thermometers in 0.1°C, 0.5°C and 1.0°C divisions. Each bottle has magnets for wall or door mounting.


Thermco®
 PRODUCTS, INC.


Chamber	Range	Divisions	Immersion	Teflon Coated	Height	Insulating Liquid	Unit	Stock#	PRICE
Refrigerator	-2° to 10°C	0.1°C	Total	Yes	240 mm	50% Ethylene glycol	EA	511-3002	\$61.18
Refrigerator	-5° to 15°C	0.5°C	Total	No	125 mm	50% Ethylene glycol	EA	195-3031	\$35.30
Refrigerator	-5° to 15°C	0.5°C	Total	Yes	125 mm	50% Ethylene glycol	EA	195-3034	\$38.81
Incubator	25° to 45°C	0.1°C	Total	Yes	190 mm	50% Ethylene glycol	EA	511-3310	\$44.73
Incubator	18° to 50°C	0.5°C	Total	No	135 mm	50% Ethylene glycol	EA	195-3032	\$35.30
Incubator	18° to 50°C	0.5°C	Total	No	135 mm	50% Ethylene glycol	EA	195-3035	\$38.81
Incubator	-30° to 110°C	0.5°C	Total	Yes	160 mm	50% Ethylene glycol	EA	195-3099	\$44.77
Freezer	-30° to 0°C	0.5°C	Total	Yes	125 mm	50% Ethylene glycol	EA	195-3033	\$38.81
Freezer	-30° to 0°C	0.5°C	Total	No	155 mm	50% Ethylene glycol	EA	195-3030	\$35.30
Oven	20° to 130°C	0.1°C	Total	Yes	135 mm	Vermiculite	EA	511-3070	\$44.73
Block heater	18° to 60°C	0.5°C	1.5"	No	125 mm	1 mL Mineral oil	EA	511-3301	\$44.73
Block heater	50° to 110°C	0.5°C	1.5"	No	165 mm	1 mL Mineral oil	EA	511-3040	\$44.73
Ultra Low Freezer	-90° to 20°C	1.0°C	Total	Yes	145 mm	Sand	EA	195-3012	\$54.00

Thermco® Mercury Thermometers

Available in ranges to monitor critical temperatures for freezers, refrigerators and incubators. Mounted in liquid-filled square, shatter-proof plastic bottles with double magnets so they can be affixed to walls or doors of instruments. Certificate of accuracy is supplied with each thermometer, making its indications traceable to NIST. Total immersion. 0.5°C divisions. #195-3025 thermometer only. Note: these thermometers contain mercury. Please check with appropriate regulatory authorities concerning use restrictions prior to ordering. Accuracy: $\pm 0.5^\circ\text{C}$.

Range	Application	Length	Teflon Coated	Unit	Stock#	PRICE
-30° to 0°C	Freezer	115 mm	Yes	EA	373-3006	\$43.93
-5° to 15°C	Refrigerator	125 mm	Yes	EA	373-3007	\$43.93
18° to 50°C	Incubator	135 mm	Yes	EA	373-3008	\$43.93
40° to 90°C	Incubator	135 mm	Yes	EA	195-3005	\$44.41



VTMS Digital Data Logger

Vaccine Thermometer

MadgeTech's VTMS is ideal for the continuous measurement and data logging of temperature sensitive laboratory equipment such as freezers, refrigerators, coolers, and incubators. The system includes an NIST traceable RFTCTemp2000A data logger with thermocouple and Glycol bottle. The convenient LCD ensures the temperature parameters are met in real time. Starting, stopping, and downloading from the device are all performed wirelessly using the #243-3006 wireless transceiver. The current reading, minimum, maximum, and average statistics can all be obtained through the display. The software capabilities will alert user, or other personnel via e-mail or text message if your equipment has failed or if the temperatures fall out of range. Included is the new MadgeTech 4.90 Windows Based Software. Compatible with Windows XP®/ Vista®/Windows® 7, 8, and 10. Battery life is typically 3 years at a 1 minute reading rate.



Specifications	Unit	Stock#	PRICE
-20 to 60°C	EA	243-3012	\$398.84

Call Customer Service at 800-826-8302

THERMOMETERS

Thermco® Triple Display Bottle Thermometers

These NIST traceable digital thermometers have non-toxic, non-hazardous liquid mediums in the plastic bottles (30mL D-Limonene).

- Triple temperature display: current, minimum & maximum temperatures.
- Each thermometer individually serialized.
- Certificate provided with one critical temperature certified.
- C and F switchable.
- Accuracy $\pm 0.5^{\circ}\text{C}$, resolution 0.1°C & $^{\circ}\text{F}$.
- Double magnets on bottles and thermometers.
- Audible alarm for min/max temperatures.
- 9-foot sensor cable included.

(#511-3898 comes with sand-filled bottle that holds the probe in place.)



THERMCO
PRODUCTS, INC.

Mfg. Part #	Range	Certified Temperature	Application	Unit	Stock#	PRICE
ACC895FRE	-50° to 70°C	-20.0°C	Freezers	EA	511-3895	\$43.93
ACC895BEF	-50° to 70°C	+4.0°C	Refrigerators	EA	511-3896	\$43.93
ACC895INC	-50° to 70°C	+37.0°C	Incubators	EA	511-3897	\$43.93
ACC895WB	-50° to 70°C	+37.0°C	Water baths	EA	511-3898	\$43.93

Thermco® Digital Bottle Thermometers

Digital, NIST certified thermometers. Dual temperature with probe in plastic bottle containing insulating liquid.

Features:

- Min/Max temperature memory.
- Audible min/max alarm settings.
- 4-foot sensor cable (dry bath model has three foot).
- Choose between Celsius and Fahrenheit.
- Accuracies up to $\pm 0.5^{\circ}\text{C}$.
- Resolution: 0.1°C .
- Powered by one AAA battery (included).
- Dry bath model has stainless steel probe for quick response time.



THERMCO
PRODUCTS, INC.

Range	Application	Unit	Stock#	PRICE
-58° to 158°F / -50° to 70°C	Freezer	EA	195-3803	\$41.85
-58° to 158°F / -50° to 70°C	Refrigerator	EA	195-3804	\$41.85
-58° to 158°F / -50° to 70°C	Incubator	EA	195-3805	\$41.85
-58° to 392°F / -50° to 200°C	Dry bath	EA	195-3850	\$41.85

Surface Thermometers

Use to check and calibrate hot plates. Place on oven door and sides of oven to determine heat loss. May also be used on many other surfaces. Consists of a cover glass, a calibrated dial and indicator, and a magnetic base containing a bimetallic thermal sensing element. Reaches sensing stability within three minutes. $\pm 2^{\circ}$ accuracy. 2" diameter x 1/2"H.



Range	Unit	Stock#	PRICE
-20° to 65°C	EA	449-3999	\$47.92
-20° to 120°C	EA	449-3033	\$48.40
10° to 400°C	EA	449-3018	\$48.40
0° to 250°F	EA	449-3034	\$48.40
50° to 750°F	EA	449-3019	\$48.40

Refrigerator/Freezer Dial Thermometer

Helps to avoid spoilage. Zones indicate correct temperature range for food storage or freezing. Thermometer can either hang from a shelf or stand on it. Plastic crystal.



Mfg Part #	Range	Divisions	Unit	Stock#	PRICE
ERF1K	-30° to 30°C/-20° to 80°F	1°C/2°F	EA	657-2045	\$4.04

Additional environmental chamber temperature monitoring devices found on the following pages.

Prices subject to change.

EQUIPMENT TEMPERATURE MONITORING

KT8P3 Remote Sensing Temperature Recorder

Packed with features, this easy-to-use portable features large 8" chart, digital display, and for more flexibility there is a K-Thermocouple probe. User-selectable temperature ranges and recording times make this unit user-friendly.

- Features audio/visual alarms, compact rugged enclosure and 9V battery backup.
- Temperature accuracy (recorder only): $\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$).
- Power: 120V AC adapter with 4 AA batteries for back-up power.

Charts sold separately.

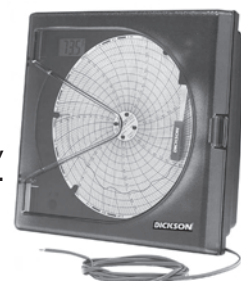
Model	Description	Wt	Unit	Stock#	PRICE
KT8P3	Recorder	9	EA	237-1070	\$513.81



KT6P Remote Sensing Temperature Recorders

Flexible and affordable, the KT6P series recorders provide user selectable recording times, 8 temperature ranges, replacement sensors, and AC power with 9V batter back-up. The free standing or wall mounted instrument is accurate to $\pm 1.8^{\circ}\text{F}$ from -22 to 122°F , 3.8°F remaining ($\pm 1^{\circ}\text{C}$ from -30 to 50°C , 2.1°C remaining). Standard accessories include AC adapter, red pen, 9V batter, K-Thermocouple Probe, and 4' bead-wire probe. 6" charts sold separately.

Model	Description	Unit	Stock#	PRICE
KT6P1	Recorder	EA	237-1075	\$333.21
KT6P2	Recorder w/ digital display	EA	237-1076	\$423.51
KT6P5	Recorder w/ digital display, alarm, & relay contact	EA	237-1077	\$540.90



SL4 TempTrace Temperature Recorders

Now $^{\circ}\text{F}/^{\circ}\text{C}$ and 24 hour/7 day are switchable! Use these low cost recorders to monitor temperature in walk-in coolers or in freezers. No special sensing element is needed. Includes LED digital display. Recorder includes pen and AA alkaline battery. $\pm 2\%$ accuracy. Chart size: 4" diameter (not included). The chart chosen will determine the temperature scale readings. Model SK4 without digital display also available.

Model	Temp. Range	Time	Unit	Stock#	PRICE
SL4350 Recorder					
SL4350	-22° to 122°F , -30° to 50°C	7 day or 24 hour	EA	237-1026	\$215.82
SL4350 Charts					
C205	-22° to 122°F	24 hour	BX	237-7049	\$41.11
C206	-22° to 120°F	7 day	BX	237-7046	\$41.11
C180	-30° to 50°C	24 hour	BX	237-7052	\$41.11
C181	-30° to 50°C	7 day	BX	237-7032	\$41.11
SL4100 Recorder					
SL4100	0° to 100°F , -18° to 32°C	7 day or 24 hour	EA	237-1024	\$215.82
SL4100 Charts					
C010	0° to 100°F	24 hour	BX	237-1080	\$23.67
C012	0° to 100°F	7 day	BX	237-7044	\$41.11
C209	-18° to 32°C	24 hour	BX	237-7053	\$41.11
C210	-18° to 32°C	7 day	BX	237-7047	\$41.11



For a full line of charts, recorders, pens, and other instrumentation, see our Nelson-Jameson Buyers Guide. Or call our Process and Flow Control Specialists at 800-826-8302.

Call Customer Service at 800-826-8302

DIGITAL & DIAL THERMOMETERS**DART Digital Reference Thermometer**

The only digital thermometer available today that complies with the applicable provisions of the Pasteurized Milk Ordinance.

- Precise and accurate temperature indication, digital display reads to 0.1°F.
- Display blanks, providing failsafe performance if the differential between RTD elements exceeds 0.5°F, sensor fails, lead broken, or electrical short.
- Sensors can be easily replaced without the need to recalibrate the instrument or effect on accuracy.
- Degree F/C is user selectable enabling global performance.

Sensor, sold separately, has 2" clamp, 5-1/2" insertion, and 25 feet of cable. Other specifications available.



Mfg Part #	Description	Fitting Size	Insertion length	Wt	Unit	Stock#	PRICE
FD110	Thermometer			12	EA	033-7089	\$1,777.23
SK00510801	Sensor			1	EA	033-7071	\$473.60
Accessories							
SA110040370105		1½" Clamp	2¾"	2	EA	033-1580	\$203.11
SA110050490105		2" Clamp	3½"	2	EA	033-1581	\$203.11
SA110060490105		2½" Clamp	3½"	2	EA	033-1582	\$227.52
SA110070530105		3" Clamp	3¾"	2	EA	033-1583	\$242.17
SA110621390105		Projectile well	9½"	2.37	EA	033-7003	\$242.17

Anderson "DTG" Digital Temperature Gauge

Eliminate the potentially hazardous and difficult to read mercury in glass thermometers by replacing them with the 3A approved "FH" Digital Temperature Gauge from Anderson! The DTG complies with the Code of Federal Regulations governing the food industry. Specifically designed for retort applications, each DTG is supplied from the factory pre-calibrated to an NIST traceable temperature standard and is ready to put into service upon receipt. The all electronic battery operated design ensures the DTG meets regulatory requirements by acting as a stand-alone device. For difficult to read areas of the process, a remote mount display is also available. The remote display option allows for placement of the display in a more convenient location.



Process Connection	Mount	Unit	Stock#	PRICE
1½" Sanitary clamp	Bottom	EA	033-1915	\$429.66
2" Sanitary clamp	Bottom	EA	033-1920	\$429.66
2½" Sanitary clamp	Bottom	EA	033-1925	\$454.07
3" Sanitary clamp	Bottom	EA	033-1930	\$468.72
9½" Projectile well	Back	EA	033-1950	\$502.89

Liquid Filled Dial Thermometers

Provide fast, accurate readings where glass thermometers cannot be used. Popular for vats, holding tanks and other equipment. Big, 5" dial swivels for easy reading. Wrap-around plexi-glass lens lets in more light for improved visibility. Direct drive gives extremely reliable performance. Accuracy within one scale division; calibration traceable to NBS. 9" stainless steel stem has .625" diameter, with tapered bulb chamber. 1-1/4"-18" swivel nut connection. Fits standard wells. External recalibration. Non-mercury fill solution.



Range	Divisions	Unit	Stock#	PRICE
0 to 150°F	1°	EA	510-1200	\$366.19
0 to 240°F	2°	EA	510-1205	\$386.86
Replace-ment lens		EA	510-1010	\$67.57

Adjustable Angle Thermometers

Easy viewing at any angle. Head may be turned 360° and tilted over a full 180° arc. Choose 3" or 5" anti-parallax dial. All-welded stainless steel construction. Hermetically sealed case. Range: 0 to 220°F in 2° divisions. Accurate to +1% through entire range. Easy to recalibrate. Polycarbonate lens. 1/2" NPT threaded connection.



Dial	Stem	Range	Unit	Stock#	PRICE
3"	6"	0° to 220°F	EA	657-2110	\$115.33
5"	9"	0° to 220°F	EA	657-2215	\$141.09

Prices subject to change.

AMBIENT CONDITION MONITORS & WATER FILTERS

Sling Psychrometer

No need to use tables or make calculations with this sling psychrometer for humidity monitoring. Spirit-filled thermometer and holder telescopes into swivel handle. Sliding scale converts wet and dry bulb readings into relative humidity. The 20° to 120°F thermometer with 1°F scale divisions are protected by a strong plastic frame with built-in water reservoir to saturate wick. Feature magnifying front, deeply etched numerals, and thin bulb giving fast thermal response.



Description	Unit	Stock#	PRICE
Sling psychrometer	EA	511-3100	\$60.38
Replacement Parts			
Thermometer	EA	511-3104	\$26.35
Wicks, 2/pak	PK	220-3203	\$13.10

Extech® Foot Candle/Lux Meter

Accurately displays light level in terms of Fc or Lux over three ranges: Fc (0-200, 0-2,000 and 0-5,000 Fc) and Lux (0-2,000, 0-20,000 and 0-50,000 Lux). Select fast (1 second) or slow (2 seconds) response. Analog output of 1mV per count for capturing readings to a recorder. Complete with 9V battery, light sensor with 3.8 foot (1.2m) cable and built-in stand. 1-year warranty.



Mfg Part #	Unit	Stock#	PRICE
401025	EA	228-3025	\$162.49

Water Filtration Units

Create a laboratory water system to meet your exact requirements! Barnstead distillation or deionizing systems or a combination can produce water appropriate for a variety of applications: from rinsing glassware to microbiological testing. Produce water free of minerals, organic residues, toxins, sanitizers, and pyrogens—according to your needs and budget. Deionizing Systems: Combine Barnstead B-pure holders with PCS cartridges to produce a convenient point-of-use system in your laboratory. Add pre-treatment filters to extend the life of PCS cartridges. Final filtration removes bacteria for microbiological testing. Call Nelson-Jameson for assistance in determining your laboratory water needs.

Barnstead Hose Nipple DI Cartridge Systems

An economical way to create a laboratory water system. Ideal for meeting minimal needs or polishing water from a still. Cartridges have hose nipples for easy connection using laboratory tubing. Just add plastic wall-mounted cartridge holder(s). Transparent cartridges allow for visual indication of remaining resin capacity. When the resin changes color, it is time for replacement. Accepts inlet pressures from 5 to 70 psig, but cannot dispense against back pressure. Installation in series not recommended. Virgin polypropylene cartridges are 18.7" L x 3.4" diameter with 3/8" barbed hose fittings on each end. Pre-treatment filter suggested to extend the life of cartridges.

Mfg Part #	Description	Resin Type	Unit	Stock#	PRICE
D8901	High capacity	Two bed	EA	662-3216	\$111.98
D8902	Ultrapure	Mixed bed	EA	662-3217	\$111.98
D8904	Organic removal	Activated carbon	EA	662-3218	\$92.50
D8900	Wall-mount cartridge holder	-	EA	662-3219	\$39.29



Barnstead Deionizing Systems B-Pure™ Holders

Mount these single or double units on the wall and produce up to 4 liters of pure water per minute. Add more units to extend your system. They accept most Barnstead full size filters and cartridges. Quick release canister makes cartridge removal easy. All materials in contact with water are of virgin polypropylene or other inert materials to prevent recontamination of the water. Double unit includes built-in ball valve and digital resistivity meter compensated to 25°C. Meter monitors water quality for cartridge changeover; requires 120V AC. Maximum operating pressure: 100 psig. Inlet temperature range: 40° to 120°F. Connections: 1/2" NPTF. Option: Low-cost purity monitor light available for single unit to signal need to change cartridge. Use with PCS cartridges below.

Mfg Part #	Description	Size	Unit	Stock#	PRICE
D4511	Single B-Pure holder	7"L x 7"D x 24"H	EA	662-3210	\$447.84
D4521	Double B-Pure holder	15"L x 7"D x 27"H	EA	662-3211	\$2,169.05
Accessories					
E3451	PURA®-Lite indicator, 200,000 ohms-cm resistivity		EA	662-3812	\$186.30



Call Customer Service at 800-826-8302

WATER PURIFICATION SYSTEMS & FILTERS

Barnstead PCS Cartridges

These specialized Barnstead cartridges use the highest quality purifying media. Housed in 100% virgin polypropylene. Dimensions are 17.2"L x 3/4"D. Use with single & double BPure holder. Also compatible with NANO pure™, E-pure™, and B-pure™ units.

- High capacity cartridge is a two bed configuration designed to produce large quantities of water at a lower purity than the Ultrapure (polishing) resin. (Cap. 1725 grains as NaCl).
- Ultrapure cartridge is the polishing step, consisting of a mixed bed of anion and cation resins. Designed to purify water to 18 megohm-cm. (Cap. 760 grains as NaCl).
- Organic removal cartridge contains activated carbon to remove organics and chlorine found in raw water supplies. Used upstream to protect and extend life of DI resins in other cartridges.
- Combination colloid/organic cartridge removes bacteria and colloids by means of absorption and ion-exchange. Contains macroreticular resin and are placed ahead of DI cartridges to protect resins and maximize efficiency.



Mfg Part #	Description	Resin Type	Unit	Stock#	PRICE
D0803	High capacity	Two bed	EA	662-3212	\$116.04
D0809	Ultrapure	Mixed bed	EA	662-3213	\$119.28
D0813	Organic removal	Activated carbon	EA	662-3214	\$97.37
D0835	Combination colloid/organic	Macroreticular activated carbon	EA	662-3215	\$114.41

LabStrong Fi-Streem™ Water Purification Systems

Of all the water purification systems available, distillation can remove a wider range of impurities than any other single form of water purification. LabStrong Fi-Streem Stills consistently produce high-quality ASTM Type II water and can remove impurities such as inorganic ions, dissolved gases, organics, particles, bacteria and pyrogens from water. They are ideal for general lab applications and are suitable as a Type 1 ultrapure system pretreatment. The stills will meet your water needs while remaining budget-friendly. LabStrong Fi Streem Stills are available in 2S and III models. 2S are the economy version, and are available in 1.4, 2 and 4 liter per hour (LPH) models. III models are the next step up from the 2S and feature several higher level capabilities and are 4, 6 and 4 bi-distilled (double distilled) liter per hour models. Features: Consistently pure water, safe operation, reliable and effortless to use, highly efficient and economical, simple to clean, space saving design, and easy to install.



Model	LPH	Volts	Amps	Unit	Stock#	PRICE
Fi-Streem III Glass Stills						
A56210-857LS	4	240	13	EA	118-3006	\$6,321.99
A56218-857LS	4	208	13	EA	118-3007	\$6,321.99
A56220-857LS	8	240	30	EA	118-3008	\$8,825.99
A56228-857LS	8	208	30	EA	118-3009	\$8,825.99
A56230-857LS	4 Bi-distilled	240	30	EA	118-3010	\$8,937.99
A56238-857LS	4 Bi-distilled	208	30	EA	118-3011	\$8,937.99
Fi-Streem 2S Glass Stills						
A74415-60LS	1.4	120	15	EA	118-3001	\$4,251.99
A74415LS	2	120	20	EA	118-3002	\$4,251.99
A74410LS	2	220	13	EA	118-3003	\$4,251.99
A74420LS	4	240	15	EA	118-3004	\$4,433.99
A74428LS	4	208	15	EA	118-3005	\$4,433.99

PALL LIFE SCIENCES Maxi Capsule Filter with Vent

Combine the efficiency of a flat membrane filter with the large filtration surface area of a pleated filter with these pleated maxi capsules, with double-layer membranes. Versatile enough to use on reagents, media, enzymes, water, and even air. Provides high volume air or liquid filtration at an economical cost. Vent provides greater flow rates by releasing excess air when liquids are introduced. 1/2" hose barb nipples. 8-1/2" overall. 2.4" diameter. Pre-sterilized. Autoclavable. 0.2 micron diameter pore size.



Mfg Part#	Unit	Stock#	PRICE
12112	EA	155-3284	\$213.47

Prices subject to change.

BEAKERS

Kimax® Colorware Griffin Low Form Beakers

Color-coding helps reduce cross contamination with these double-capacity scale beakers. Easily identify glassware between labs, work centers and lab technicians. The durable matte finish marking area for use with pencil or marker allows for easy identification. Indicate approximate volumes at various levels. Designed from ASTM Specification E960, Type I requirements. Additional volumes available upon request.



Capacity	Graduations	Subdivisions	Dimensions	Unit	Stock#	PRICE
Blue						
150 mL	20 - 140 mL	20 mL	57 x 79 mm	EA	363-3244	\$3.88
250 mL	25 - 200 mL	25 mL	68 x 88 mm	EA	363-3333	\$3.88
Green						
150 mL	20 - 140 mL	20 mL	57 x 79 mm	EA	363-3222	\$3.88
250 mL	25 - 200 mL	25 mL	68 x 88 mm	EA	363-3344	\$3.88
Red						
150 mL	20 - 140 mL	20 mL	57 x 79 mm	EA	363-3255	\$3.88
250 mL	25 - 200 mL	25 mL	68 x 88 mm	EA	363-3355	\$3.88
Yellow						
150 mL	20 - 140 mL	20 mL	57 x 79 mm	EA	363-3211	\$3.88
250 mL	25 - 200 mL	25 mL	68 x 88 mm	EA	363-3322	\$3.88

Kimax® 14000 Griffin Beakers

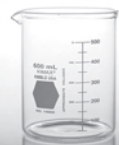
Thick-beaded, slightly-flared top for excellent pouring results. Sturdy glass uniform walls. Easy-to-read white scales. Matte-finished enamel area allows marking with an ordinary pencil.



Capacity	Pkg	Unit	Stock#	PRICE
10 mL (not graduated)	12/pk	PK	363-3043	\$52.60
20 mL	12/pk	PK	363-3044	\$46.20
30 mL	12/pk	PK	363-3045	\$45.88
50 mL	12/pk	EA	156-3046	\$3.81
100 mL	12/pk	EA	156-3047	\$3.97
150 mL	12/pk	EA	156-3048	\$3.80
250 mL	12/pk	EA	156-3049	\$3.80
400 mL	12/pk	EA	156-3050	\$4.60
600 mL	6/pk	EA	156-3051	\$5.70
800 mL	6/pk	PK	363-3052	\$47.10
1000 mL	6/pk	EA	156-3053	\$11.79
1500 mL	4/pk	EA	156-3054	\$12.97
2000 mL	4/pk	PK	363-3055	\$85.00
4000 mL	1/pk	PK	363-3056	\$67.27

Kimax® 14005 Griffin Beakers

Heavy-duty glass beakers with thick, uniform walls. Extra wall thickness built into the evenly tooled top portion. Dual capacity scale. All sizes have a large marking spot.



Capacity	Unit	Stock#	PRICE
250 mL	EA	156-3064	\$7.08
400 mL	EA	156-3065	\$9.25
600 mL	EA	156-3066	\$10.77
1000 mL	EA	156-3067	\$20.56
2000 mL	EA	363-3068	\$42.04
4000 mL	EA	363-3069	\$82.10

Pyrex® 1000 Griffin Beakers, Double Scale

The uniform wall thickness offers optimum balance between thermal shock resistance and mechanical strength. 250 through 4000 mL have double graduated metric scale to indicate approximate content. All sizes have an extra large marking spot.



Capacity	Pkg	Unit	Stock#	PRICE
10 mL (not graduated)	12/pk	PK	140-3043	\$55.66
20 mL	12/pk	PK	140-3044	\$56.16
30 mL	12/pk	PK	140-3045	\$49.32
50 mL	12/pk	EA	140-3046	\$2.77
150 mL	12/pk	EA	140-3048	\$2.65
250 mL	12/pk	EA	140-3049	\$2.81
400 mL	12/pk	EA	140-3050	\$4.94
600 mL	6/pk	EA	140-3051	\$4.17
800 mL	6/pk	PK	140-3052	\$54.53
1000 mL	6/pk	EA	140-3053	\$11.83
2000 mL	4/pk	EA	140-3058	\$23.22
4000 mL	1/pk	PK	140-3056	\$61.95

Pyrex® 1003 Griffin Beakers

Heavy-duty beakers designed to offer the best mechanical strength under harsh conditions, such as mechanized washing operations. For convenience the beakers have a double graduated metric scale to indicate their approximate content. All sizes have an extra large marking spot. Maximum temperature 230°C.



Capacity	Pkg	Unit	Stock#	PRICE
250 mL	12/pk	EA	140-3064	\$11.38
400 mL	12/pk	EA	140-3065	\$13.97
600 mL	6/pk	EA	140-3066	\$12.01
1000 mL	6/pk	EA	140-3067	\$32.72
2000 mL	4/pk	EA	140-3070	\$46.88
4000 mL	1/pk	PK	140-3069	\$91.63

Call Customer Service at 800-826-8302

BEAKERS & MEASURING DEVICES**Pyrex® 1060 Berzelius Beakers**

Berzelius beakers feature high walls to hold spattered material during heating or acid digestion and a spout to facilitate pouring. Graduated.



Capacity	Pkg	Unit	Stock#	PRICE
100 mL	12/pk	EA	140-3305	\$5.61
300 mL	12/pk	EA	140-3307	\$6.78
400 mL	6/pk	EA	140-3308	\$7.36
500 mL	6/pk	EA	140-3309	\$8.09
1000 mL	6/pk	PK	140-3317	\$106.90

Pyrex® 9985 Watch Glass

Excellent covers for heated beakers. Watch glasses are also used to perform evaporations on a hot plate. They protect against injury, contamination, and loss of samples during heating and digestion. Molded for convenient stacking. The heavy wall and uniform fire-polished edge provide mechanical strength. 12/pack.

Size	Unit	Stock#	PRICE
75 mm (3") dia.	PK	140-3290	\$42.73
100 mm (4") dia.	PK	140-3291	\$66.20
150 mm (6") dia.	PK	140-3293	\$124.11

Nalgene® Griffin Low-Form Beakers

These polypropylene beakers are ideal for general laboratory use. Superior chemical resistance. All sizes have easy-to-read silk-screened graduations, size code, resin code, maximum use temperature, "no flame" symbol and ribs for easy stacking. Not for use on hot plate. Meets ISO/DIN 7056 International Standards for Laboratory Plasticware Beakers. Autoclavable/transparent/graduated.



Capacity	Pkg	Unit	Stock#	PRICE
50 mL	12/pk	EA	156-3031	\$3.15
100 mL	12/pk	PK	156-3032	\$39.92
150 mL	12/pk	EA	156-3033	\$4.93
250 mL	6/pk	EA	156-3034	\$6.83

Nalgene® Griffin Low-Form Beakers

Polymethylpentene (PMP) beakers offer excellent chemical resistance and heat tolerance, with the transparency of glass. Easy-to-read graduations, maximum use temperature to 175°C, and "no flame" symbol. Not for hot plate usage.



Capacity	Pkg	Unit	Stock#	PRICE
50 mL	12/pk	EA	156-3021	\$4.71
100 mL	12/pk	EA	156-3022	\$5.69
150 mL	12/pk	EA	156-3023	\$7.46
250 mL	6/pk	EA	156-3024	\$9.33
600 mL	4/pk	EA	156-3026	\$17.20
1000 mL	3/pk	EA	156-3027	\$20.76
4000 mL	1/pk	PK	479-3991	\$79.98

Scienceware® Graduated Beakers

Griffin low form polypropylene beakers are translucent, chemical resistant, and will stack without sticking together. A no drip spout makes for easy pouring while raised graduations show approximate volume. All sizes are steam autoclavable at 121°C (250°F).



SP SCIENCEWARE
Bel-Art • H-B Instrument • Willmod-LabGlass

Mfg Part #	Capacity	Pkg	Unit	Stock#	PRICE
F26210	50 mL	12/pk	EA	010-3210	\$2.50
F26211	100 mL	12/pk	EA	010-3211	\$2.38
F26212	150 mL	12/pk	EA	010-3212	\$3.89
F26213	250 mL	12/pk	EA	010-3213	\$3.97
F26214	400 mL	6/pk	PK	010-3214	\$27.72
F26217	2000 mL	1/pk	EA	010-3217	\$15.42

Taper Spout Beakers

Excellent clarity and very good chemical resistance due to molded polypropylene design. These new style beakers are autoclavable and feature raised graduations on the outer surface. They feature tapered spouts for easier pouring of solutions.



Capacity	Pkg	Unit	Stock#	PRICE
25 mL	12/pk	EA	700-3025	\$1.10
50 mL	12/pk	EA	700-3050	\$1.11
100 mL	12/pk	EA	700-3101	\$1.14
250 mL	6/pk	EA	700-3150	\$1.91
500 mL	4/pk	EA	700-3500	\$2.99
1000 mL	3/pk	EA	700-3111	\$3.92

Short Form Pitchers

Handy pitcher molded in polypropylene, clear and autoclavable with good chemical resistance. Handles are attached on top and bottom of pitcher for convenient, safe lifting. Raised graduations every 250 mL.



Capacity	Unit	Stock#	PRICE
5000 mL	EA	700-3005	\$24.48

**More measuring devices
on the next page...**

BEAKERS, CRUCIBLES & MEASURING DEVICES**Rubbermaid® Bouncer® Measuring Cups**

Tough and crystal clear for fast, easy identification of contents. Made of durable break-resistant polycarbonate, they won't dent, rust or pit like metal cups. Permanently bonded graduated measurements for quick, accurate reading: English units in red on one side and metric in blue on the other. Extra large handles are designed for comfort when pouring, scooping, or measuring hot liquids or heavy food products.

Certified to NSF Std. #2. BPA free. Temperature rating: -40°F/-40°C to 212°F/100°C.



Mfg Part#	Capacity	Graduations	Pkg	Unit	Stock#	PRICE
3210	8-oz/225 mL/1 cup	1-oz/25 mL	12/ca	EA	440-2442	\$6.73
3215	16-oz/470 mL/2 cup	1-oz/25 mL	6/ca	EA	440-2443	\$11.63
3216	32-oz/980 mL/4 cup/1-qt	2-oz/50 mL	6/ca	EA	440-2444	\$12.91
3217	64-oz/1900 mL/8 cup	4-oz/125 mL/1/8 L	6/ca	EA	440-2445	\$17.60
3218	1-gal/3.8 L/4-qt	1/2-qt/1/2 L	6/ca	EA	440-2446	\$19.11

Accu-Pour™ Measuring Cups

Made from food-grade polypropylene which is durable and will not shatter or break. Resistant to a wide variety of chemicals. Raised graduations in both ounces and milliliters.

Capacity	Graduations	Unit	Stock#	PRICE
8-oz/250 mL/1 cup	0.5 mL/0.25-oz	EA	424-6008	\$4.60
16-oz/500 mL/1 pint	10 mL/0.5-oz	EA	424-6016	\$5.70
32-oz/1 L/1000 mL/1-qt	10 mL/0.5-oz	EA	424-6032	\$6.68
64-oz/2 L/2000 mL/2-qt	50 mL/1-oz	EA	424-6064	\$8.58
128-oz/4 L/4-qt/1-gal	100 mL/2-oz	EA	424-6128	\$12.40

**Stainless Steel Graduated Measures**

Sturdy stainless measures with many uses. Four sizes available, from pint to gallon size. Stainless handle for ease in handling. Easy-to-read graduations in both ounces and cc's on inside. 6/case.

Capacity	Graduates	Unit	Stock#	PRICE
16-oz/500 cc	2-oz/50 cc	EA	726-6080	\$43.64
32-oz/1000 cc	2-oz/100 cc	EA	726-6085	\$56.77
64-oz/2000 cc	4-oz/100 cc	EA	726-6090	\$68.29
132-oz/4000 cc	4-oz/200 cc	EA	726-6095	\$76.59

**Stainless Steel Griffin Beaker**

Tough, low-form stainless beaker with spout. 2-5/8" diameter x 3-1/4"H. 20 gauge, 304 stainless steel. 250 mL (not graduated). 12/case.

Unit	Stock#	PRICE
EA	726-6100	\$35.65

**Kohman Butter Test Cup**

Used for the testing of moisture, fat and salt using the Kohman test method for butter analysis. Made from aluminum. Holds 250 cc.

Unit	Stock#	PRICE
EA	715-3300	\$63.55

**Coors™ High Form Crucibles**

Glazed inside and out except for outside bottom surface. Covers available by special order.

Capacity	Top Diameter	Height	Pkg	Unit	Stock#	PRICE
15 mL	35 mm	29 mm	72/ca	EA	155-3176	\$5.25
30 mL	43 mm	37 mm	36/ca	EA	155-3177	\$7.66

Call Customer Service at 800-826-8302

FLASKS & FLASK ACCESSORIES

Kimax® Colorware Erlenmeyer Flasks, Narrow Mouth

Color-coded narrow mouth Erlenmeyer flasks can be used to easily identify glassware between labs, work centers or lab technicians. Uniform wall thickness has increased resistance to mechanical shock. Ceramic scales indicated approximate volumes at various levels. Color coding helps reduce cross contamination. Designed from ASTM Specification E1404, Class I Requirements. Additional volumes and colors available upon request.

Capacity	Graduations	Subdivisions	Dimensions	Unit	Stock#	PRICE
Blue						
125 mL	50 - 125 mL	25 mL	66 x 108 mm	EA	363-3326	\$4.47
250 mL	50 - 225 mL	25 mL	82 x 130 mm	EA	363-3420	\$4.63
Green						
125 mL	50 - 125 mL	25 mL	66 x 108 mm	EA	363-3327	\$4.47
250 mL	50 - 225 mL	25 mL	82 x 130 mm	EA	363-3440	\$4.63
Red						
125 mL	50 - 125 mL	25 mL	66 x 108 mm	EA	363-3328	\$4.53
250 mL	50 - 225 mL	25 mL	82 x 130 mm	EA	363-3430	\$4.63
Yellow						
125 mL	50 - 125 mL	25 mL	66 x 108 mm	EA	363-3325	\$4.47
250 mL	50 - 225 mL	25 mL	82 x 130 mm	EA	363-3470	\$4.63



Pyrex® 4980 Erlenmeyer Flasks, Narrow Mouth

Glass flasks for general lab use. They feature a heavy-duty rim for longer lab service. Graduations are in durable white enamel. An extra large marking space is provided.



Capacity	Fits Stopper	Pkg	Unit	Stock#	PRICE
25 mL	0	12/pk	PK	140-3109	\$76.28
50 mL	1	12/pk	PK	140-3110	\$63.48
125 mL	5	12/pk	EA	140-3112	\$7.52
250 mL	6	12/pk	EA	140-3113	\$5.80
300 mL	6	12/pk	EA	140-3114	\$6.91
500 mL	7	6/pk	EA	140-3115	\$5.82
1000 mL	9	6/pk	EA	140-3116	\$10.51
2000 mL	10	1/pk	EA	140-3117	\$29.01
4000 mL	10	1/pk	EA	140-3118	\$68.66
6000 mL	10	1/pk	EA	140-3119	\$178.46

Pyrex® 5100 Erlenmeyer Flasks, Wide Mouth

Similar to Pyrex 4980, but with a wide mouth, as indicated by stopper sizes.



Capacity	Fits Stopper	Pkg	Unit	Stock#	PRICE
125 mL	6	12/pk	EA	140-3129	\$8.95
250 mL	8	12/pk	EA	140-3401	\$6.09
500 mL	10	6/pk	EA	140-3132	\$8.36
1000 mL	11	6/pk	EA	140-3133	\$12.32
2000 mL	13	1/pk	EA	140-3134	\$26.91

Kimax® 26500 Erlenmeyer Flasks, Narrow Mouth

Glass flasks for general lab use. Reinforced, beaded tops, with thick walls and tapered contours. White scale gives approximate volumes. Large marking space. Designed from ASTM specification E1404, Type 1, Class 1 requirements.



Capacity	Fits Stopper	Pkg	Unit	Stock#	PRICE
50 mL	1	12/pk	PK	E363-3421	\$54.92
125 mL	5	12/pk	EA	156-3422	\$7.98
250 mL	6	12/pk	EA	156-3423	\$4.52
300 mL	6	12/pk	EA	363-3424	\$5.63
500 mL	7	6/pk	EA	156-3425	\$5.70
1000 mL	9	6/pk	EA	156-3426	\$12.05
2000 mL	10	4/pk	EA	156-3427	\$21.62
4000 mL	10	1/pk	EA	156-3428	\$68.52

Pyrex® 4985 Erlenmeyer Flasks with Screw Caps

Glass flasks with phenolic screw caps are ideal for culturing, mixing and storing media. Impact-resistant caps are equipped with cemented-in, inert white rubber liners which are resistant to steam sterilization. Flasks are graduated and include oval marking space.



Capacity	Pkg	Unit	Stock#	PRICE
50 mL	12/pk	PK	140-3120	\$273.90
125 mL	12/pk	PK	140-3121	\$379.56
250 mL	6/pk	EA	140-3122	\$24.26
500 mL	6/pk	EA	140-3123	\$28.05
1000 mL	6/pk	EA	140-3124	\$33.46

Prices subject to change.

FLASKS & FLASK ACCESSORIES

Nalgene® 4108 Erlenmeyer Flasks with Screw Caps

Tough, transparent polycarbonate flasks are used for preparing and storing culture media. Linerless polypropylene caps are leakproof. Autoclavable.



Size	Pkg	Unit	Stock#	PRICE
250 mL	4/pk, 3 pk/ca	EA	156-3413	\$12.24
500 mL	4/pk, 3 pk/ca	EA	156-3414	\$29.68

Nalgene® 4102 Erlenmeyer Flasks, Narrow Mouth

Polypropylene flask with heavy walls is chemically resistant, unbreakable and autoclavable. Molded-in graduations. Liquid level is easily visible. 2000 mL. Uses a #10 size stopper. 2/pack; 3 packs/case. Sold by the each.



Unit	Stock#	PRICE
EA	156-3409	\$36.97

Pyrex® 5340 Filtering Flasks

Heavy-walled glass, graduated filtering flasks. The neck finish affords an excellent fit for rubber stopper. Stoppers not included.



Size	Tubulation (OD)	Fits Stopper	Pkg	Unit	Stock#	PRICE
500 mL	10 mm (3/8")	7	6/pk, 3 pk/ca	EA	140-3128	\$33.74
1000 mL	10 mm (3/8")	8	6/pk, 2 pk/ca	EA	140-3136	\$56.55
2000 mL	12.5 mm (7/16")	9	1/pk, 12 pk/ca	EA	140-3137	\$177.32

Kimble Filtering Flask

Custom designed for Nelson-Jameson, this two-outlet 1000 mL glass flask features outlets on opposite sides of the flask to keep it stable during use. Lower outlet is located 2" above bottom of flask to prevent any moisture accumulation from interfering with outlet. Ideal for desiccation of air before vacuum ovens or as a trap between oven and pump. Uses size 8 stopper.



Size	Unit	Stock#	PRICE
1000 mL	EA	365-3409	\$216.05

Glass Beads

Clear, soda lime glass beads to use as mixing beads or boiling stones. Tolerance in all sizes is ± 0.25 mm. One pound per pak.

Size	Unit	Stock#	PRICE
2 mm	PK	716-3999	\$44.41
4 mm	PK	156-3010	\$25.61
6 mm	PK	156-3012	\$21.88

Parafilm® Wrapping Film

Laboratory wrapping film prevents evaporation, contamination or hydration. Protects anhydrous materials. Can be folded, twisted or stretched. Resists medium concentration acids and alkalis. Not suited for use with fat solvents. 12 rolls/case.



Size	Unit	Stock#	PRICE
4" x 125'	RL	155-3994	\$38.13

Write-On™ Label Tape

Clearly label glassware and other lab supplies for easy identification. Tape adheres to any clean surface and peels off without leaving a sticky residue. Pencil, pen or solvent ink marker remains legible under the most demanding lab conditions. Made of white kraft paper with rubber resin adhesive that resists moisture and most solvents. Tape will withstand broad temperature extremes, from a maximum temperature of 257°C for 30 minutes, or a steam autoclaving cycle at 121°C down to -73°C. Standard 3" core. 24 rolls/case. Other colors and sizes available by special order.



Width	Yards	Unit	Stock#	PRICE
1/2"	60	RL	010-3310	\$11.84
1"	60	RL	010-3973	\$18.12

Pyrex® 5420 Kjeldahl Flask

Long-necked flask for nitrogen determinations. Round bottom and substantial walls. Reinforced, tooled mouth. Bottom should not touch heating element.



Size	Pkg	Unit	Stock#	PRICE
800 mL	6/pk, 3 pk/ca	EA	156-3465	\$26.44

Call Customer Service at 800-826-8302

FLASKS & FLASK ACCESSORIES

Class A Volumetric Flasks

Class A borosilicate glass volumetric flasks with glass stoppers are individually serialized and certified per the ASTM standard.

Capacity	Unit	Stock#	PRICE
500 mL	EA	700-3608	\$62.98
1000 mL	EA	700-3609	\$89.31
2000 mL	EA	700-3610	\$129.55



Kimax® 28014 Volumetric Flasks

Class A glass flasks calibrated to contain. Pennyhead ground glass stoppers included. Designed from ASTM Specification E288, Class A unserialized requirements.



Size	Fits Stopper	Pkg	Unit	Stock#	PRICE
100 mL	13	6/pk	EA	156-3486	\$34.67
250 mL	16	12/pk	EA	363-3280	\$43.08
500 mL	19	6/pk	EA	156-3489	\$88.98
1000 mL	22	1/pk	EA	156-3490	\$112.09
2000 mL	27	4/pk	EA	363-3984	\$141.60



Pyrex® 5600 Volumetric Flasks with Snap-Cap

Glass snap-cap flasks feature the capacity mark as a fine line etched through a narrow red band into clear glass making a filler unnecessary and giving high legibility, accuracy and permanence. Snap-caps supplied with all sizes. Calibrated to contain.

Size	Pkg	Unit	Stock#	PRICE
50 mL	6/pk	PK	140-3140	\$137.37
100 mL	6/pk	EA	140-3141	\$28.21
250 mL	6/pk	EA	140-3143	\$39.14
500 mL	6/pk	EA	140-3144	\$45.64
1000 mL	1/pk	EA	140-3145	\$49.73



US Customary Volumetric Calibration/Measuring Flasks



High-precision volumetric calibration flasks used to check fill volumes. Sold individually below. Each flask is calibrated "to contain" (TC) at 68°F, individually certified to tolerances specified in NIST handbook 105-2.1996. Manufacturer's test equipment is calibrated and certified to comply with NIST HN44, ISO 10012, and ANSI/NCSL Z540 requirements. All flasks are direct shipped from manufacturer.

Size	Unit	Stock#	PRICE
1 pt	EA	140-3433	\$343.28
1 qt	EA	140-3430	\$529.20
½ gal	EA	140-3431	\$700.88
1 gal	EA	140-3432	\$929.68

Two Hole Rubber Stoppers

Similar to one hole stoppers, but with two holes for special applications.

Size	Top Diameter	Bottom Diameter	Pkg	Unit	Stock#	PRICE
3	24 mm	18 mm	43/pk	EA	220-3300	\$0.52
4	26 mm	20 mm	37/pk	EA	220-3301	\$1.01
7	37 mm	30 mm	16/pk	EA	155-3840	\$4.95
9	45 mm	37 mm	11/pk	EA	220-3349	\$3.54

**Quality Products.
Outstanding Service.
Industry Expertise.
That's Nelson-Jameson, Inc.**

STOPPERS & BRUSHES

Rubber Stoppers

These laboratory-quality, pliable black rubber stoppers are made with the highest percentage of pure rubber making them practical for continual use. They maintain resiliency without losing shape. Temperature range -50° to 220°F.

Size	Top Diameter	Bottom Diameter	Length	Pkg	Unit	Stock#	PRICE
Solid Stoppers							
00	15 mm	10 mm	25 mm	105/pk	EA	155-3819	\$0.46
0	17 mm	13 mm	25 mm	77/pk	EA	155-3820	\$0.42
1	19 mm	14 mm	25 mm	57/pk	EA	155-3821	\$0.51
2	20 mm	16 mm	25 mm	52/pk	EA	155-3822	\$0.55
3	24 mm	18 mm	25 mm	39/pk	EA	155-3823	\$0.65
4	26 mm	20 mm	25 mm	33/pk	EA	155-3824	\$0.75
5	27 mm	23 mm	25 mm	28/pk	EA	155-3825	\$1.03
5½	28 mm	24 mm	25 mm	26/pk	EA	155-3817	\$1.05
6	32 mm	26 mm	25 mm	20/pk	EA	155-3826	\$1.29
6½	34 mm	27 mm	25 mm	18/pk	EA	155-3818	\$1.45
7	37 mm	30 mm	25 mm	15/pk	EA	155-3827	\$1.98
7½	39 mm	31 mm	25 mm	14/pk	EA	155-3816	\$2.12
8	41 mm	33 mm	25 mm	12/pk	EA	155-3828	\$2.20
9	45 mm	37 mm	25 mm	10/pk	EA	155-3829	\$2.32
10	50 mm	42 mm	25 mm	8/pk	EA	155-3830	\$2.96
10½	53 mm	45 mm	25 mm	7/pk	EA	155-3831	\$2.99
11	56 mm	48 mm	25 mm	6/pk	EA	155-3832	\$4.40
11½	63 mm	50 mm	25 mm	5/pk	EA	155-3833	\$4.52
12	64 mm	54 mm	25 mm	5/pk	EA	155-3834	\$5.43
13	68 mm	58 mm	25 mm	4/pk	EA	373-3357	\$6.95
13½	75 mm	62 mm	35 mm	1/pk	EA	373-3358	\$7.92
14	90 mm	75 mm	39 mm	1/pk	EA	373-3359	\$11.35
15	103 mm	83 mm	39 mm	1/pk	EA	373-3360	\$25.25
Two Hole Stoppers							
3	24 mm	18 mm	25 mm	43/pk	EA	220-3300	\$0.52
4	26 mm	20 mm	24 mm	37/pk	EA	220-3301	\$1.01
7	37 mm	30 mm	24 mm	16/pk	EA	155-3840	\$4.95
9	45 mm	37 mm	25 mm	11/pk	EA	220-3349	\$3.54

Flask Brush with Extension



Bristle end is extended for hard-to-reach parts of flasks and bottles. 16" long overall. 12/pack.

Unit	Stock#	PRICE
EA	155-3060	\$18.77

Volumetric Flask Brushes



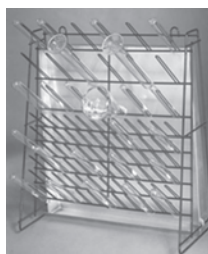
Flexible plastic handle and soft bristles are designed for the hard-to-clean shape of volumetric flasks. Brush adjusts to flask shape. 12/pack.

Mfg Part #	For Flask	Length	Unit	Stock#	PRICE
03-570A	250 mL	12"	EA	155-3061	\$14.94
03-570B	500 mL	14"	EA	155-3062	\$23.89
03-570C	1000 mL	17"	EA	155-3063	\$18.02

Call Customer Service at 800-826-8302

DRYING RACKS & FUNNELS

Draining/Drying Rack



Holds up to 90 pieces. Has galvanized backslash pan. Blue vinyl coating. Measures 7-1/8"L x 18-1/2"W x 19"H.

Wt	Unit	Stock#	PRICE
9.64	EA	446-3320	\$118.27

Wall-Mounted Drying Racks



Keep glassware dry and organized with these wall-mountable, rugged ABS plastic racks. Won't corrode, and easily wipes clean. Interchangeable pegs conform to your glassware sizes. All pegs are angled at 45 degrees for optimum air flow. Three different size pegs: small 3", medium 4" and large 5".

Description	Size	Unit	Stock#	PRICE
Single tier, 19 pegs	16"L x 7.5"W x 9.25"H	EA	010-3933	\$82.53
Two tier, 38 pegs	16"L x 7.5"W x 16.25"H	EA	010-3934	\$118.39

Acrylic Pegboard

Design this pegboard to fit your lab's needs and make it a customized workstation. Light has become a highly desired commodity in today's ever-changing lab environment. These are made from 3/4" thick clear acrylic, which allows full light to pass through. Pegboards can be supplied with a frosted back to screen or tone down light if desired.



Size	Unit	Stock#	PRICE
24" x 24" w/ 25 pegs	EA	812-3000	\$525.20

Pyrex® 6180 Funnels

Fluted, 60° angle body. Use in flasks or test tubes without filter rack. Strong beaded edge.



Size	Stem Length	Unit	Stock#	PRICE
50 mm	65 mm	EA	140-3001	\$12.85
75 mm	75 mm	EA	140-3003	\$15.51

Scienceware® Funnels

Polypropylene funnels feature the exclusive filter-step internal design for quicker filtrations. Internal ribs prevent airlock. The parallel stem measures 8 mm OD. Steam autoclavable at 121°C.



Top ID Diameter	Filter Paper Diameter	Stem Length	Unit	Stock#	PRICE
55 mm	90 mm	60 mm	EA	010-3676	\$3.71
65 mm	110 mm	65 mm	EA	010-3677	\$3.85
75 mm	125 mm	75 mm	EA	010-3678	\$3.76

Pyrex® 6220 Large Diameter Stem Funnels

Special filling funnels with a large diameter, short stem. Transfer powder, thick liquids, or obtain rapid flow through large stem opening.

Mfg Part #	Size	Approx. Stem Length x OD	Unit	Stock#	PRICE
10-346B	75 mm	30 x 17 mm	EA	140-3012	\$15.06
10-346C	100 mm	30 x 20 mm	EA	140-3013	\$17.49
10-346D	125 mm	35 x 25 mm	EA	140-3014	\$30.38
10-346E	150 mm	35 x 30 mm	EA	1403015	\$68.43

Weighing Funnels

These funnels allow precise weighing of product, are easy to use and ensure complete sample transfer to flasks, tubes, etc. Shaped to sit flat on balances and designed to fit into volumetric flasks or test tubes for spill-free transfer of material, the funnels are suited for preparation of analytical standards and for safe handling of hazardous materials. 50/ pack.



Size	Fits Volumetric Flask	Unit	Stock#	PRICE
Small	5, 10, 25, 50 mL	PK	220-3001	\$60.25
Medium	100, 200, 250 mL	PK	220-3002	\$65.04
Large	500, 1000 mL	PK	220-3003	\$60.43

Prices subject to change.

FUNNEL SUPPORT & CULTURE TUBES

Cast Iron Ring

Cast-iron construction prevents breakage under normal use. Black enamel coating with-stands chemical deterioration. Sturdy 5/16" setscrew in clamp locks ring tightly to support stands and lattices. Ring center is the standard 4-1/2" from support rod center.



ID	Unit	Stock#	PRICE
5 1/4"	EA	220-3405	\$46.84

Kimble® 45048 Rimless Culture Tubes

Glass tubes have smooth fire-polished top with marking spot of durable, fused-on white enamel.



OD x Length	Capacity	Pkg	Unit	Stock#	PRICE
12 x 75 mm	5 mL	72/pk, 10 pk/ca	PK	156-3852	\$34.07
16 x 125 mm	15 mL	72/pk, 8 pk/ca	PK	156-3855	\$68.63
16 x 150 mm	20 mL	72/pk, 8 pk/ca	PK	156-3856	\$51.59

Pyrex® 9820 Rimless Culture Tubes

Glass tubes without a ring are more convenient for plugging and rack storage. Fire polished tops. Walls and bottoms are of uniform thickness. White marking spot.



OD x Length	Capacity	Pkg	Unit	Stock#	PRICE
10 x 75 mm	3 mL	72/pk, 10 pk/ca	PK	140-3851	\$37.02
12 x 75 mm	5 mL	72/pk, 10 pk/ca	PK	140-3852	\$37.02
16 x 100 mm	11 mL	72/pk, 8 pk/ca	CA	140-3031	\$337.75
16 x 125 mm	15 mL	72/pk, 8 pk/ca	PK	140-3855	\$46.81
16 x 150 mm	20 mL	72/pk, 8 pk/ca	PK	140-3856	\$54.97
18 x 150 mm	27 mL	72/pk, 8 pk/ca	PK	140-3857	\$61.19
20 x 150 mm	34 mL	72/pk, 8 pk/ca	EA	156-3858	\$1.15

Glass Rimless Culture Tubes

Smooth, rounded tops and bottoms, with fire-polished rims. Packed in trays and sealed in plastic to avoid breakage. No marking spot.



OD x Length	Capacity	Pkg	Unit	Stock#	PRICE
6 x 50 mm	.75 mL	1000/ca	CA	363-3966	\$69.40
10 x 75 mm	3 mL	250/pk, 4 pk/ca	PK	156-3849	\$12.77
12 x 75 mm	5 mL	250/pk, 4 pk/ca	PK	156-3848	\$13.98
13 x 100 mm	9 mL	250/pk, 4 pk/ca	PK	156-3847	\$18.46
16 x 125 mm	15 mL	250/pk, 4 pk/ca	PK	156-3840	\$26.99
18 x 150 mm	27 mL	500/ca	CA	220-3375	\$86.85

Glass Culture Tubes with Caps

High-quality glass tubes with tough polypropylene screw caps. Packed in trays and sealed in plastic. No marking spot.

OD x Length	Capacity	Pkg	Unit	Stock#	PRICE
16 x 100 mm	14 mL	250/pk, 4 pk/ca	PK	156-3869	\$102.49

More culture tubes and caps on the next page...

Call Customer Service at 800-826-8302

CULTURE TUBES & CLOSURES**Kimble® 45066 Culture Tubes with Cap**

Glass tubes have a screw cap with a cemented-in rubber liner. The cap reduces loss from evaporation and provides freedom from contamination. Caps have long threaded portion, which allows loosening during autoclaving.



OD x Length	Cap to Neck	Pkg	Unit	Stock#	PRICE
16 x 100 mm	12 mL	72/pk, 4 pk/ca	DZ	156-3861	\$35.09
16 x 125 mm	16 mL	72/pk, 4 pk/ca	PK	156-3862	\$118.05
16 x 150 mm	20 mL	72/pk, 4 pk/ca	PK	156-3863	\$143.07
20 x 125 mm	25 mL	48/pk, 4 pk/ca	PK	156-3864	\$116.22
25 x 150 mm	30 mL	36/pk, 4 pk/ca	CA	363-3865	\$437.75

Pyrex® 9825 Culture Tubes with Cap

Glass tubes have a deep-formed phenolic cap to facilitate handling and sealing after autoclaving. Caps are fabricated from a special formula resistant to the effects of temperature and steam during autoclaving. White enamel marking spot.



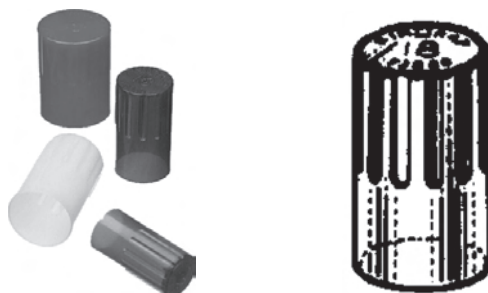
OD x Length	Capacity	Pkg	Unit	Stock#	PRICE
13 x 100 mm	9 mL	288/ca	CA	140-3223	\$456.61
16 x 125 mm	15 mL	144/pk	PK	140-3862	\$314.16
16 x 150 mm	20 mL	144/pk	PK	140-3863	\$299.24
20 x 150 mm	34 mL	96/pk	EA	156-3865	\$2.02
25 x 150 mm	55 mL	48/pk	PK	140-3866	\$154.93

Disposable Culture Tubes

Sterile culture tubes with snap caps can be used for most routine lab procedures. Tubes have easy-to-read printed graduations along with white marking area for sample identification. 25 tubes/tray, 20 trays/case.



OD X Length	Material	Capacity	Pkg	Unit	Stock#	PRICE
12 x 75 mm	Polypropylene	5 mL	500/ca	CA	211-3323	\$101.62
17 x 100 mm	Polystyrene	16 mL	500/ca	CA	211-3330	\$133.73

KIM-KAP™ 73660 Closures

Economical—autoclavable—disposable. Polypropylene KIM-KAPS are convenient caps for disposable culture tubes, keeping contents sterile without cotton plugs.

Color	Fits tube	Pkg	Unit	Stock#	PRICE
Natural/Clear	16 mm	500/pk	PK	363-3883	\$42.67
Red	18 mm	100/pk, 10 pk/ca	CA	363-3962	\$120.85
Yellow	18 mm	100/pk, 10 pk/ca	CA	363-3964	\$120.85
Green	18 mm	100/pk, 10 pk/ca	CA	363-3963	\$120.85
Blue	18 mm	100/pk, 10 pk/ca	CA	363-3975	\$120.85
Natural/Clear	18 mm	100/pk, 10 pk/ca	CA	363-3971	\$95.97
Natural/Clear	20 mm	250/pk, 2 pk/ca	PK	363-3736	\$40.29

Prices subject to change.

CULTURE TUBE RACKS & BRUSHES

Test Tube Brushes

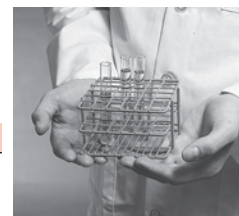


Two sizes, two materials. 155-3065 has white hog bristles; 1/2" x 8". 420-2165 has white polyester bristles; 5/8" x 10". Radial tufted ends. 12/pack.

Description	Unit	Stock#	PRICE
Hog bristle	EA	155-3065	\$4.18
Polyester bristle	EA	420-2165	\$1.61

Wire Culture Tube Racks

Constructed of high-quality steel wire, welded and coated with heat-cured epoxy. Ideal for autoclaving. Unaffected by temperature from -370° to 250°F. Three tiers with square holes, reinforced edges, and slotted mesh bottom. Abrasion, rust and corrosion resistant.



Tube Size	Capacity	Color	Size	Unit	Stock#	PRICE
10 to 13 mm	36	Blue	4 ⁵ / ₁₆ "L x 4 ¹ / ₁₆ "W x 2 ⁷ / ₈ "H	EA	010-3102	\$27.85
13 mm	72	Blue	7 ⁷ / ₈ "L x 4"W x 2 ¹ / ₈ "H	EA	155-3658	\$40.50
16 mm	48	Blue	9 ¹ / ₂ "L x 3 ³ / ₈ "W x 2 ¹ / ₂ "H	EA	155-3657	\$26.36
18 to 20 mm	20	Blue	4 ¹⁵ / ₁₆ "L x 4 ¹ / ₄ "W x 2 ⁷ / ₁₆ "H	EA	220-3380	\$26.10
18 to 20 mm	20	Green	4 ¹⁵ / ₁₆ "L x 4 ¹ / ₄ "W x 2 ⁷ / ₁₆ "H	EA	010-3380	\$27.04
18 to 20 mm	20	Orange	4 ¹⁵ / ₁₆ "L x 4 ¹ / ₄ "W x 2 ⁷ / ₁₆ "H	EA	010-3383	\$27.58
18 to 20 mm	40	Blue	9 ³ / ₄ "L x 3 ⁷ / ₈ "W x 3 ¹ / ₄ "H	EA	155-3656	\$27.62

Test Tube Racks

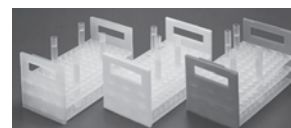
Manufactured in a variety of dimensions to fit various tube sizes. Black epoxy coating.

Tube Size	Capacity	Unit	Stock#	PRICE
16 mm	48	EA	446-3303	\$23.99
16 mm	72	EA	446-3305	\$23.99
20 mm	40	EA	446-3302	\$23.99
22 mm	20	EA	446-3301	\$23.99
22 mm	40	EA	446-3304	\$23.99



Polypropylene Culture Tube Racks

Stackable, white, three-tier racks with large handles for easy carrying. Holes are numbered and lettered for easy sample identification. Easy to clean. Superior chemical resistance. #010-3000 is autoclavable.



Tube Size	Capacity	Color	Size	Unit	Stock#	PRICE
13 to 16 mm	50	White	8 ³ / ₈ "L x 4 ⁵ / ₁₆ "W x 4 ³ / ₈ "H	EA	010-3056	\$30.46
16 to 20 mm	32	White	8 ³ / ₈ "L x 4 ⁵ / ₁₆ "W x 5"H	EA	010-3057	\$30.46
21 to 25 mm	18	Tan	8 ³ / ₈ "L x 4 ¹⁵ / ₁₆ "W x 5"H	EA	010-3000	\$31.54

Scienceware® Culture Tube Racks

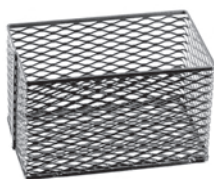
Molded of autoclavable no-wire polypropylene. Will sink in a water bath and maintain their stability even in agitated water. Assembly takes only seconds with fold up sides and end bars that lock into rack tops. 9.7" L x 4.1" W x 2.5" H. White. Other colors available upon request.



Tube Size	Capacity	Unit	Stock#	PRICE
13 mm	90	EA	010-3745	\$18.49
16 mm	60	EA	010-3746	\$18.49
20 mm	40	EA	010-3747	\$17.29
25 mm	24	EA	010-3748	\$18.31
30 mm	21	EA	010-3749	\$18.49



Call Customer Service at 800-826-8302

BASKETS & GRADUATES**Test Tube Basket**

Aluminum basket without lid. Reinforced top, bottom and seams.

Size	Unit	Stock#	PRICE
10"L x 6"W x 6"H	EA	155-3026	\$27.26

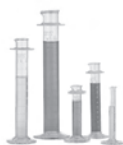
Scienceware® Polypropylene Test Tube Baskets

Ideal for rinsing, transport and storage of glassware. Lidded basket is simply inverted for easy draining. White. Steam autoclavable.

Size	Unit	Stock#	PRICE
5"L x 4"W x 4"H	EA	010-3737	\$24.89
6"L x 6"W x 6"H	EA	010-3738	\$32.90

Kimax® Class A Graduated Cylinders

Reverse white metric scale to deliver appears on each cylinder and indicates the cylinder is calibrated to pour (dispense), and TD appears on each cylinder indicating to deliver. The cylinder may be used repeatedly without drying. SAFE-GARD® bumpers are supplied on each cylinder. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type 1 and ASTM E48, Type 1, Class A requirements.



Capacity	Unit	Stock#	PRICE
10 mL	EA	363-3310	\$27.65
50 mL	EA	363-3312	\$30.30
100 mL	EA	363-3313	\$35.57
250 mL	EA	363-3314	\$48.53
500 mL	EA	363-3315	\$68.31

Pyrex® 3024 Graduated Cylinders

Glass graduated cylinder with single metric scale. Calibrated to deliver. Plastic bumper guard included.



Capacity	Subdivisions	Pkg	Unit	Stock#	PRICE
50 mL	1.0 mL	18/ca	EA	140-3242	\$28.98
100 mL	1.0 mL	12/ca	EA	140-3243	\$31.48
250 mL	2.0 mL	12/ca	EA	140-3244	\$47.83
500 mL	5.0 mL	8/ca	EA	140-3245	\$66.85
1000 mL	10.0 mL	1/ca	EA	140-3246	\$96.80

Pyrex® 3062 Class A Cylinders

Highly accurate glassware calibrated to deliver to Class A tolerances in accordance with ASTM E-542 and ASTM E-1272. Each cylinder is individually serialized and supplied with a Certificate of Identification and Capacity, traceable to NIST standards. Permanent white graduations are easy to read. Bumper guards are included with 25 through 1000 mL inclusive. The 10 mL size has a funnel top.



Capacity	Subdivisions	Unit	Stock#	PRICE
10 mL	0.1 mL	EA	140-3230	\$113.68
25 mL	0.2 mL	EA	140-3231	\$121.96
50 mL	1.0 mL	EA	140-3232	\$122.82
100 mL	1.0 mL	EA	140-3233	\$117.71
250 mL	2.0 mL	EA	140-3234	\$149.26
500 mL	5.0 mL	EA	140-3235	\$174.88
1000 mL	10.0 mL	EA	140-3236	\$207.39

Kimax® 20025 Graduated Cylinders

Glass cylinders with printed metric scale durable blue markings. Calibrated to deliver. 10 mL size has enlarged funnel-shaped top for ease of filling. All sizes equipped with plastic safety bumpers. Designed from ASTM Specification E1272, Class B requirements.



Capacity	Subdivisions	Pkg	Unit	Stock#	PRICE
10 mL	0.2 mL	4/pk	EA	156-3240	\$21.05
25 mL	0.5 mL	4/pk	EA	363-3241	\$29.69
50 mL	1.0 mL	4/pk	EA	156-3242	\$23.18
100 mL	1.0 mL	4/pk	EA	156-3243	\$38.83
250 mL	2.0 mL	2/pk	EA	156-3244	\$30.99
500 mL	5.0 mL	1/pk	EA	363-3301	\$49.25

Prices subject to change.

GRADUATES & CENTRIFUGE TUBES

Scienceware® Clear Graduated Cylinders

Clear TPX® (polymethylpentene) cylinders do not create a concave meniscus, making the raised numeral single-scale graduations easy to read. Shatterproof with a wide octagonal base to prevent tipping and rolling. Superior chemical and heat resistance to 177°C (350°F). Autoclavable at 121°C.



Capacity	Subdivisions	Unit	Stock#	PRICE
25 mL	0.5 mL	EA	010-3691	\$7.56
50 mL	1.0 mL	EA	010-3692	\$8.41
100 mL	1.0 mL	EA	010-3693	\$9.01
250 mL	2.0 mL	EA	010-3694	\$10.35
500 mL	5.0 mL	EA	010-3695	\$13.90
1000 mL	10.0 mL	EA	010-3696	\$20.16
2000 mL	20.0 mL	EA	010-3697	\$45.81

Scienceware® Graduated Cylinders

Polypropylene cylinders have a total contained, total delivered double scale with raised numbers for easy reading. Flared top rims and large spouts facilitate pouring. Hexagon shaped bases provide stability. Autoclavable. Chemical resistant.



Capacity	Subdivisions	Unit	Stock#	PRICE
25 mL	0.5 mL	EA	010-3453	\$4.48
50 mL	1.0 mL	EA	010-3454	\$4.58
100 mL	1.0 mL	EA	010-3455	\$5.69
250 mL	2.0 mL	EA	010-3456	\$7.15
500 mL	5.0 mL	EA	010-3457	\$9.77
1000 mL	10.0 mL	EA	010-3458	\$13.23
2000 mL	20.0 mL	EA	010-3459	\$24.59

Plastic Graduates - Dual Scale

The transparency of these polycarbonate graduates appears that of glass, yet they will not chip or shatter. Ether, ethanol, aqueous acids, salt solutions, detergents, etc. will not harm them. Avoid use with alkalis, ammonia, or aromatic hydrocarbons. Graduated in both ounces and milliliters.



Capacity	Subdivisions	Unit	Stock#	PRICE
2-oz/60 mL	0.25-oz/5 mL	EA	492-3005	\$6.00
4-oz/125 mL	0.5-oz/10 mL	EA	492-3010	\$6.30
8-oz/250 mL	0.5-oz/25 mL	EA	492-3015	\$7.80
16-oz/500 mL	1-oz/25 mL	EA	479-3005	\$44.49
32-oz/1000 mL	2-oz/50 mL	EA	156-3555	\$75.08

Microcentrifuge Storage Tubes

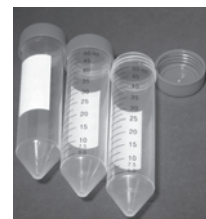
Precision molded from clarified polypropylene. These clear plug cap tubes are graduated and tolerate centrifugation of up to 18,000 RCF. These tubes are ideal for storage of positive and negative controls for antibiotic tests.



Description	Pkg.	Unit	Stock#	PRICE
1.5 mL	100/bag	BG	498-3971	\$5.20
1.5 mL	500/bag	BG	498-3972	\$17.86

Disposable Centrifuge Tubes

Sterile, conical bottom tubes featuring a screw top with easy-to-read black graduations. 50 bulk packaged and offer a write-on strip. Suggested working temperature range is between 0° to 40°C. Made of polypropylene.



Capacity	Pkg	Unit	Stock#	PRICE
15 mL	50/pkg	PK	700-3222	\$10.09
15 mL	500/ca	CA	700-3322	\$91.24
50 mL	50/pkg	PK	700-3301	\$9.28
50 mL	500/ca	CA	700-3505	\$89.53

Falcon Conical Centrifuge Tubes

Falcon, polystyrene, sterile, conical centrifuge tubes offer dark blue graduations in 0.5 mL increments that are visible with clear or turbid samples. They are solvent resistant with a white writing area. The blue caps are a HDPE 20 mm threaded dome seal, which provides a positive seal over the full circumference.



Capacity	Pkg	Unit	Stock#	PRICE
15 mL	50/pk, 500/ca	CA	207-3996	\$127.48

Kimax® 45167 Centrifuge Tube

Reusable borosilicate glass tube with standard taper conforming to USP Type 1 and ASTM E436, Type 1, Class A requirements. Graduated and calibrated to contain. All markings are durable black ceramic enamel. Top is beaded for strength. Used in determination of solubility index for dry milk.



Capacity	Subdivisions	Unit	Stock#	PRICE
50 mL	0-1 in 0.1, 1-2 in 0.2, 2-10 in 0.5, 10-20 in 1 and at 50	EA	363-3990	\$25.26

Call Customer Service at 800-826-8302

SETTLING CONES & BOTTLES

Imhoff Settling Cone

Use for suspended matter testing. Graduations: 0 to 1 mL (in 0.1 mL subdiv.); 1 to 10 (in 0.5); 10 to 40 (in 1.0); 40 to 100 (in 2.0); with lines and numbers at 250, 500, and 1000 mL. Includes leakproof, screw cap plug in bottom for withdrawing sediment for gravimetric analysis and cleaning.



Size	Unit	Stock#	PRICE
1000 mL Cone	EA	334-3001	\$41.05
Imhoff cone rack, holds 3 cones	EA	716-3760	\$40.81

Corning® Glass Dilution Bottles

Borosilicate glass bottles—graduated at 99 mL with screw caps. Bottles sold complete with cap. Meets the requirement for milk dilution bottles stated in the "Standard Methods for the Examination of Dairy Products". 12/pack.

Description	Thread	Pkg	Unit	Stock#	PRICE
Narrow mouth bottle	28-400	4 pk/ca	PK	156-3154	\$127.02
Wide mouth bottle	40-400	4 pk/ca	PK	140-3373	\$119.89
Replacement Caps					
Narrow Mouth Cap	28-400	144/cs	CA	140-3226	\$410.65
Wide mouth cap	40-400	72/ca	CA	140-3374	\$219.03
Wide mouth cap	40-400	72/ca	EA	140-3333	\$3.76

Kimax® 14925 Marked Dilution Bottle

Glass dilution bottle with a graduation line at 99 mL in compliance with APHA's "Standard Methods for the Examination of Dairy Products". Screw cap with rubber liner will withstand repeated autoclaving. Bottles sold complete with cap.



Description	Thread	Pkg	Unit	Stock#	PRICE
160 mL bottle	28-400	12/pk	EA	498-3155	\$8.12
Replacement Caps					
Cap w/rubber liner	28-400	12 dz/ca	DZ	498-3156	\$38.18
Cap w/silicone liner	28-400	48/ca	CA	363-3156	\$70.38

Dilution bottle brush is found on the next page...

Kimax® 14250 Unmarked 200 mL Dilution Bottle

Economical, unmarked dilution bottle of borosilicate glass has many uses besides milk dilution, for example, water sampling and media storage. Plastic screw cap with rubber liner. Bottles sold complete with cap.



Description	Pkg	Unit	Stock#	PRICE
200 mL bottle	48/ca	CA	156-3185	\$196.67

Replacement Caps

Cap w/rubber liner	12 dz/ca	DZ	498-3156	\$38.18
Cap w/silicone liner	48/ca	CA	363-3156	\$70.38

Nalgene® Dilution Bottles

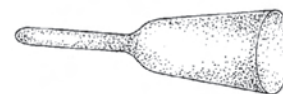
Autoclavable bottles help avoid breakage. Non-toxic. Molded graduations at 90 and 99 mL. Resistant to weak acids, bases and detergents. Withstand temperatures from 0° to 135°C. Narrow mouth bottle holds 200 mL; wide mouth holds 205 mL. Cap is autoclavable and leakproof. Bottles sold with cap.



Description	Pkg	Unit	Stock#	PRICE
PP copolymer bottles				
Narrow mouth bottle, 28 mm	12/pk, 4 pk/ca	PK	479-3155	\$83.57
Wide mouth bottle, 38 mm	12/pk, 4 pk/ca	PK	156-3505	\$97.72
Polysulfone bottles				
Wide mouth bottle, 38 mm	12/pk, 4 pk/ca	PK	156-3157	\$106.43
Replacement caps				
Narrow mouth cap, 28 mm	12/pk	PK	156-3156	\$18.99
Wide mouth cap, 38 mm	12/pk	PK	479-3380	\$18.18

ESCHER Milk Dilution Bottle Stopper

Rubber stopper for use with plain neck or threaded narrow mouth glass dilution bottles. Meets APHA requirements. 75 mm long. 12 each/pack.



Unit	Stock#	PRICE
PK	534-3305	\$59.72

BOTTLES & JARS

Milk Dilution Bottle Brushes

These brushes are perfect for cleaning milk dilution and other small bottles with wide mouths. White bristles are twisted-in-a-wire handle with a looped end. Rosebud tip for getting bottom and corners extra clean.



Diameter	Length	Bristle	Unit	Stock#	PRICE
1 3/8"	10 1/2"	Hog	EA	373-3701	\$3.84
1 3/8"	11"	Nylon	EA	420-2160	\$5.10
2"	16"	Nylon	EA	420-2155	\$7.63

Pyrex® Media Bottles

Heavy-duty storage bottles for media, buffers, aqueous and non-aqueous solutions. Autoclavable. Complete with orange polypropylene plug seal caps, and clear pouring rings. Orange caps and clear rings will withstand temperatures to 140°C (284°F). For 180°C (356°F), use red melamine caps and red PTFE rings.



Size	Pkg	Unit	Stock#	PRICE
50 mL	10/ca	CA	140-3021	\$78.17
100 mL	10/ca	CA	140-3009	\$83.41
250 mL	10/ca	EA	156-3101	\$7.54
500 mL	10/ca	EA	156-3102	\$9.16
1000 mL	10/ca	EA	140-3372	\$11.09

Replacement Caps and Rings

Low temp, orange cap	20/ca	CA	156-3104	\$63.22
Low temp, clear ring	50/ca	CA	156-3105	\$61.21
High temp, red cap	10/ca	CA	156-3106	\$132.35
High temp, red ring	50/ca	CA	156-3107	\$161.63

Wide-Mouth Round Sample Bottles

Round, polypropylene (PP) bottles that are autoclavable, with leakproof PP threaded caps. Their wide mouths make them suitable for chemicals, specimens or any general use where sterilization is necessary. Loosen or remove caps before autoclaving. All bottles come complete with cap.



Size	Pkg	Unit	Stock#	PRICE
4-oz/125 mL bottle	12/pk	PK	156-3143	\$33.34
8-oz/250 mL bottle	12/pk	EA	156-3144	\$3.91
16-oz/500 mL bottle	12/pk	EA	156-3145	\$5.63
16-oz/500 mL Mason jar	6/pk	PK	010-3605	\$46.31
32-oz/1000 mL bottle	6/pk	EA	156-3146	\$9.62
32-oz/1000 mL Mason jar	6/pk	EA	156-3610	\$11.32

Dropping Bottle

Amber glass bottle for light-protection. Polyethylene pipet, rubber bulb and polypropylene screw cap. Use for filling pH electrodes or dispensing stain. 60 mL capacity. 36/case.



Unit	Stock#	PRICE
EA	156-3160	\$2.41

Nalgene® 2006 Round Sample Bottle, Narrow-Mouth

Polypropylene bottle with threaded cap is ideal for applications requiring chemical resistance. Can be autoclaved with or without contents. Loosen cap before autoclaving. 500 mL is stocked, other sizes available by special order.



Size	Pkg	Unit	Stock#	PRICE
500 mL	12/pk	EA	156-3148	\$5.56
1000 mL	6/pk	PK	479-3992	\$59.65

Replacement Caps

Plastic cap w/no liner	12/pk	PK	156-3156	\$18.99
------------------------	-------	----	-----------------	----------------

Nalgene® 2117 Straight-Side Wide-Mouth Jars

Clear, autoclavable and great for many applications. Use for sampling pastes, solids, or chemicals, especially where sterilization of containers is necessary. Made of PMP (polymethylpentene), they have excellent chemical resistance. Both jars have polypropylene screw caps. The jar threads on #156-3601 fit Oster® or other blenders with mason jar threads.



Size	Pkg	Unit	Stock#	PRICE
250 mL	4/pk	EA	156-3601	\$11.40
1000 mL	4/pk	PK	479-7017	\$86.66

Qorpak® Wide Mouth Jar

Autoclavable and chemical resistance make this polypropylene, economically priced wide mouth jar the perfect choice for retaining samples. The cap is 89 mm ID - 400 (one turn/thread) and also polypropylene with a SturdieSeal® polyethylene foam liner. 36/case.



Size	Unit	Stock#	PRICE
8-oz/250 mL	CA	200-3600	\$113.08

Call Customer Service at 800-826-8302

BOTTLES & CARBOYS

Nalgene® 2007 Rectangular Sample Bottle, Wide-Mouth

Conserve shelf space with this rectangular-shaped bottle. High density polyethylene 1000 mL bottle with 53 mm polypropylene screw cap. Heavy walls and wide mouth. Excellent chemical resistance to most acids, bases and alcohols. Sold complete with cap. 1000 mL stocked, other sizes available by special order.



Size	Unit	Stock#	PRICE
1000 mL	EA	479-3020	\$13.37

Nalgene® 2402 Wash Bottles

Wide mouth bottle and tubulation are molded in one piece polyethylene to eliminate leaking. Dispenses without tipping or shaking. Dispensing tip provides a fine stream, or may be cut back to provide an increased flow.



Size	Unit	Stock#	PRICE
250 mL, 38 mm closure size	EA	156-3119	\$4.41
500 mL, 38 mm closure size	EA	156-3120	\$8.71

Replacement Caps

38 mm, 12/pk	PK	479-3380	\$18.18
--------------	----	-----------------	----------------

Scienceware® Safety Labeled Wash Bottles

Ensure leak-proof dispensing of your most common solvents in the laboratory. Polypropylene closure is 53 mm wide with a leakproof design. Easy to read, LDPE solvent-resistant printed bottles include: Department of Transportation (DOT), National Fire Protection Association (NFPA) codes and symbols, Chemical Abstract Service (CAS) numbers, and protective equipment symbols making your workplace safer. 500 mL capacity. LDPE wash bottles are for dispensing use only, not for storage. The #220-3421 is made of fluorinated high-density polyethylene reducing the risk of solvent absorption into the bottle itself.



Description	Unit	Stock#	PRICE
Distilled Water LDPE	EA	010-3646	\$5.74
Ethanol LDPE	EA	010-3647	\$6.08
Isopropanol LDPE	EA	010-3648	\$6.08
Solvent HDPE, 2/pk	PK	220-3421	\$28.70
LYOB (Label Your Own Bottle) LDPE	EA	010-3649	\$5.74
Aceton	EA	010-3688	\$6.09

Nalgene® 2210 Carboy with Handles

Useful for storing and shipping chemicals and standards. Made of low-density polyethylene. Also for packaging and transporting corrosive materials. Graduated to contain in 1-gallon and 5-liter increments. Wide shoulder handles for easy carrying and pouring. Leak-proof.



Capacity	Unit	Stock#	PRICE
10 L (2.5 gal)	EA	156-3125	\$86.32
15 L (4 gal)	EA	479-3126	\$114.31
20 L (5.5 gal)	EA	156-3127	\$119.07

Replacement Caps

Replacement cap, 83 mm, 2 ea/pk	PK	479-3083	\$63.86
---------------------------------	----	-----------------	----------------

Nalgene® 2318 Carboy with Spigot

Suitable for collecting and dispensing distilled water, reagents, acids. Graduated to deliver in 1-gallon and 5-liter increments. Spigot boss molded in one piece with bottle, not welded on, for strength and leak resistance. Convenient wide shoulder handles. Leak-proof. LDPE polypropylene spigot and screw closure.



Capacity	Unit	Stock#	PRICE
10 L (2.5 gal)	EA	479-3320	\$156.24
20 L (5.5 gal)	EA	156-3123	\$187.36
50 L (13 gal)	EA	479-3322	\$294.55

Accessories

Replacement cap, 83 mm, 2/pk	PK	479-3083	\$63.86
Replacement spigot	EA	479-3422	\$46.92

Nalgene® 2319 Autoclavable Carboy with Spigot

Use for storing and dispensing solutions or media. Ideal for sterile water storage—can be autoclaved before refilling to stop recurring algae or bacterial growth. Excellent chemical resistance. Graduated to deliver in 1-gallon and 5-liter increments. Spigot boss molded in one piece with bottle, not welded on, for strength and leak resistance. Wide shoulder handles. Leakproof polypropylene; PP spigot and screw closure, TPE gasket. Note: Autoclave only when empty. Before autoclaving, just set cap or closure on top of the container without engaging the threads.



Capacity	Unit	Stock#	PRICE
10 L (2.5 gal)	EA	156-3133	\$191.10
20 L (5.5 gal)	EA	479-3301	\$239.90
50 L (13 gal)	EA	479-7016	\$350.85

Accessories

Replacement cap, 83 mm, 2/pk	PK	479-3083	\$63.86
Replacement spigot	EA	479-3422	\$46.92

Prices subject to change.

JERRICANS & TITRATORS

Nalgene® 6422 Quick-Action Spigot

Standard spigot for Nalgene carboys, lowboys, clearboys, and bottles. Polypropylene. Accepts 5/8" (16 mm) ID tubing. Also includes HDPE tubing adapter which takes tubing with 1/4" or 5/16" (6-13 mm) ID.

Unit	Stock#	PRICE
EA	479-3422	\$46.92

Nalgene® 2240 Jerricans

Heavy-duty design is intended for rugged use. Made of high-density polyethylene with wide stance and low center of gravity for greater stability. Integral spout is long enough for accurate pouring. Strap-fastened 53 mm closure can't be lost. Graduations molded in liters and gallons. Recessed bottom provides second handgrip for pouring.



Capacity	Unit	Stock#	PRICE
6 L (1.5 gal)	EA	479-3242	\$49.38
10 L (2.5 gal)	EA	479-3243	\$68.67
20 L (5 1/4 gal)	EA	479-3246	\$100.00

Nalgene® 83B Closure

Fits Nalgene containers with 83 mm opening. Polypropylene. 2/pack.

Unit	Stock#	PRICE
PK	479-3083	\$63.86

Scienceware® Vented Jerricans

Reduce splashing and spills with these high-density polyethylene jerricans. A unique 8" spout with a built-in air vent pours smoothly and also retracts into the threaded collar to conserve shelf space. An extra hand grip on the bottom gives additional control when pouring. Graduated in U.S. gallons and liters.



Capacity	Unit	Stock#	PRICE
4 L (1 gal)	EA	010-3357	\$42.66
10 L (2.5 gal)	EA	010-3936	\$61.70
20 L (5 gal)	EA	010-3359	\$92.43

Hach® Digital Titrator

This is the perfect titration unit for use in the determination of titratable acidity of milk, wine and juice products. Ideal when portability is required. Perform accurate, precise, economical, and convenient titrations without the bulk and fragility of conventional titration equipment. Weigh your sample (18 g for milk), use pH endpoint of 8.3, then turn a dial on the titrator to accurately dispense sodium hydroxide from a cartridge. At the endpoint, read TA from the digital display. Because the titrant is not exposed to air, the concentration of the solution is maintained between titrations. Each cartridge contains a concentrated sodium hydroxide solution permitting many titrations before replacement. Suggested set up includes the digital titrator and the accessories listed below. The digital titrator comes with a plastic case and five straight delivery tubes. The J-hook delivery tubes are used when a TitraStir® continuous mixer/stand is purchased for easy dispensing.

Model	Description	Unit	Stock#	PRICE
1690001	Digital titrator w/five delivery tubes	EA	208-3169	\$201.46
Accessories				
4157800	90° J-hook delivery tube, 5 /pak	PK	208-3578	\$6.55
1437901	1.600N Sodium hydroxide, 13 mL cartridge	EA	208-3379	\$21.39
	Phenolphthalein Indicator, 60 mL	BO	131-3060	\$7.52
1940000	TitraStir continuous mixer/stand	EA	208-3194	\$593.00

**Do you need Sodium Hydroxide
0.1N Calibration Solution?
Use #131-3825.**

Call Customer Service at 800-826-8302

TITRATORS & ACCESSORIES

Non-Glass Titratable Acidity Tester

Assembled from plastic components, for use where glass is prohibited, this set-up is functionally the same as the 620F-1 tester. A 10 mL self-zeroing buret (accuracy ± 0.1 mL) corresponds to the 1% full scale glass buret, therefore each milliliter corresponds to 0.1% titratable acidity. Approximate 1000 mL capacity bottle. Replacement buret kit includes: 10 mL acrylic buret and 5 inches of Tygon® tubing oversleeve.



Description	Unit	Stock#	PRICE
Acidity tester	EA	483-3065	\$334.74
Parts & Accessories			
Replacement buret kit	KT	483-3066	\$123.08
Buret Hose	FT	681-3110	\$3.30
Bulb Hose	FT	189-1040	\$0.71
Nalge Flask	EA	479-3311	\$66.13
Rubber Stopper	EA	220-3300	\$0.52
Clamp	EA	483-3067	\$39.40
Bulb	EA	498-3500	\$16.00
Glass piece for hoses	EA	483-3923	\$13.50

Kimax® 620F-1 Automatic Titratable Acidity Test

Determine the acidity of dairy products with this complete test kit. Features include:

- Buret has Teflon® stopcock plug, graduated 0 to 1%, in .1 mL (10 mL = 1 %, or 1 mL = 0.1%) reading directly in percentage of acidity.
 - Filling tube assembly includes 6 mm glass tubes, flexible tubing and 2-hole #9 rubber stopper.
- Kit includes: 1 each of the buret; filling tube assembly (glass tubes and rubber stopper); 100 mL beaker; rubber bulb; reservoir bottle; stirring rod; clamp; and 9 mL pipet.



Mfg Part #	Description	Unit	Stock#	PRICE
620F-1	Titratable acidity test kit	EA	498-3065	\$390.82
Replacement Parts				
A620F-1	Buret	EA	498-3070	\$136.88
	Filling tube assembly	EA	483-3060	\$30.85
27050-2000	Reservoir bottle, 2 L, glass	EA	363-3445	\$98.24
15-000-500	Rubber bulb w/tubing	EA	498-3500	\$16.00
609-99	Kimble Stirring Rod for Acidity Test, Pink Comparator for Titration End Points	EA	498-3057	\$22.68
41500F-2	Stopcock plug	EA	498-3071	\$57.88
	Clamp	EA	498-3067	\$33.30
Related Accessories				
	Kimble 9 mL cream pipet	EA	498-3050	\$13.20
	17.6 mL pipette	EA	498-3100	\$16.68
	Sodium hydroxide, 4 x 1 gal ca	CA	131-3081	\$26.57
	Sodium hydroxide, 1 L btl	BO	131-3083	\$9.90
	Phenolphthalein, 60 mL btl	BO	131-3060	\$7.52
	Phenolphthalein, 500 mL btl	BO	131-3070	\$14.24
	Phenolphthalein, 500 mL btl, 6 btl/ca	CA	131-3071	\$43.78
	Potassium Hydrogen Phthalate 0.1N Standard for NaOH titrations	BO	131-3825	\$19.11

**Automated Titration units
found on page 4.**

BURETS & ACCESSORIES

Nalgene® 3640 Self-Zeroing Burets

Avoid the hazards of glass near raw materials or food products with this plastic buret. Clear acrylic body with PMP stopcock and 0.1 mL divisions. Individually calibrated to meet the accuracy requirements of ASTM E287. Use for titratable acidity in receiving or processing areas. Includes squeeze bottle filling assembly, 36" of clear plastic tubing and buret cover.



Size	Unit	Stock#	PRICE
10 mL	EA	479-3300	\$127.45
25 mL	EA	156-3211	\$137.10
50 mL	EA	479-3953	\$173.73

Kimax® 17027F Manual Titrating Burets

Kimax precision bore Class A glass buret is permanently marked with an individual serial number. Supplied with a Certificate of Graduation Accuracy. Scale is durable white ceramic enamel. Designed from ASTM Specification E287, Class A requirements. KIM-KAP dust cap and PTFE No. 2 stopcock are included.



Size	Division/ mL	Unit	Stock#	PRICE
25 mL	.1 ±0.03	EA	156-3197	\$243.41
50 mL	.1 ±0.05	EA	156-3198	\$251.53
100 mL	.2 ±0.1	EA	156-3199	\$279.29

Accessories

Replacement stopcock	EA	498-3071	\$57.88
----------------------	----	----------	---------

Kimax® 17052F Auto-Refillable Titrating Burets

KIMAX precision bore Class A glass buret is permanently marked with an individual serial number. Supplied with a Certificate of Graduation Accuracy. Filling tube accepts 1/4" I.D. flexible tubing. 3-way PTFE No. 2 stopcock allows refilling and titrating. KIM-KAP dust cap is included. Scale is durable white enamel. Designed from ASTM Specification E287, Class A requirements.



Size	Division/ mL	Unit	Stock#	PRICE
25 mL	.1 ±0.03	EA	156-3204	\$186.89
50 mL	.1 ±0.05	EA	156-3205	\$194.29

Kimax® 17132F Automatic Micro-Buret with Reservoir

Kimax precision bore buret has a side filling tube with a separate PTFE No. 2 stopcock to control liquid within the permanently attached reservoir, approximately 70 mL in capacity. Scale is durable white ceramic enamel. Calibrated to the accuracy requirements found in ASTM Specification E694.



Size	Division/ mL	Unit	Stock#	PRICE
5 mL	.01 ±0.01	EA	156-3194	\$402.00

Accessories

Replacement stopcock	EA	498-3071	\$57.88
----------------------	----	----------	---------

Economy Support Stand

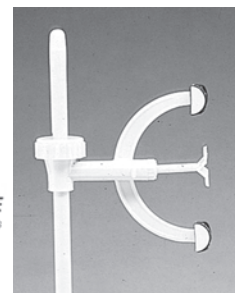
Rust-proof, sturdy and stable polycarbonate base has an 18" tall, 7.9 mm diameter stainless steel support rod secured to the base. Offset rod mounts to the 20.8 cm diameter base, leaving area for larger vessels. Autoclavable at 121°C. Clamp sold separately.



Unit	Stock#	PRICE
EA	010-3382	\$30.29

Scienceware® Single Buret Clamp

Non-corroding, polypropylene buret clamp does not obscure graduations. Buret is held firmly in place by rubber pads and concealed steel spring. Support rod not included.



Unit	Stock#	PRICE
EA	010-3204	\$14.09

Ring Stand Support

Stamped steel base with black enamel finish. Includes a removable, zinc-plated steel rod.



Base	Size	Height	Unit	Stock#	PRICE
Stamped steel	6" x 9"	24"	EA	155-3671	\$34.29

Call Customer Service at 800-826-8302

BURETS & ACCESSORIES**Universal Clamp with Holder**

One-piece clamp features vinyl-coated three pronged jaw that opens up to 2-1/4" wide. Securely holds thermometers, burets and reflux condensers. Includes fiber-glass sleeves and clamp holder that can be rotated 360 degrees.



Unit	Stock#	PRICE
EA	700-3020	\$44.13

Spring Jawed Buret Clamps

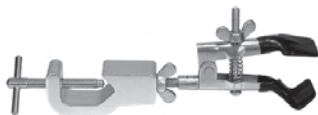
This clamp features plastic covered spring jaws, which accept burets up to 35 mm OD and support rods up to 1/2" OD.



Description	Unit	Stock#	PRICE
Buret clamp, single	EA	700-3003	\$12.61
Buret clamp, double (pictured)	EA	700-3006	\$16.92

Buret Clamp

This single buret clamp features one flat and one V-shaped jaw, designed to hold small objects. Jaws open 3/16" to 1-3/8" and are vinyl coated. Fits rods up to 5/8" in diameter.



Unit	Stock#	PRICE
EA	700-3009	\$11.84

Titrette® Bottletop Burette

The BrandTech® Titrette bottle-top burette is a worthy successor to BrandTech's popular digital Buret™ III, making routine titrations even faster, easier and more accurate. Instrument is well suited for food/beverage analysis, industrial titrations, water treatment applications, general chemistry, and environmental work in the lab or field.



The Titrette avoids the risk of spills from poured transfers to glass or plastic burettes, eliminates meniscus reading errors and offers accuracy that satisfies the tolerances for Class A glass burettes. Easy Calibration™ technology simplifies ISO/GLP compliance. The Titrette with optional RS232 interface can upload your results directly into a spreadsheet or LIMS system without transcription error.

- The 25 mL models dispense in increments of .001 mL to 20 mL and .01 mL from 20 to 25 mL.
- The 50 mL models dispense in increments of .002 mL to 20 mL and .01 mL from 20 to 50 mL.

Adjusts easily to a broad range of bottle sizes. Includes performance certificate, telescoping fill tube, recirculation tube, batteries, 3 polypropylene bottle adapters, 2 colored light shield inspection windows, and operating manual. 1-year warranty.

Description	Capacity	Unit	Stock#	PRICE
Burettes				
Titrette standard	25 mL	EA	090-3151	\$967.09
Titrette w/RS232	25 mL	EA	090-3251	\$1,346.37
Titrette standard	50 mL	EA	090-3611	\$967.09
Titrette w/RS232	50 mL	EA	090-3621	\$1,346.37
Accessories				
Filling tube, telescoping, 170 - 330 mm		EA	090-3204	\$23.18
Filling tube, telescoping, 250 - 480 mm		EA	090-3420	\$25.40

Dispensette® III Bottletop Dispensers

Improve accuracy, safety and reagent conservation in a broad range of applications with Dispensette bottle-top dispensers. They mount directly on most solvent and reagent bottles for faster, more convenient dispensing. Instruments are autoclavable at 250°F (121°C) for use with sterile reagents. Choose Dispensette III analog-adjustable models for acids, bases, saline solutions, and polar solvents. 1-year warranty. Adapters included.

Capacity	Includes adapters	Unit	Stock#	PRICE
2.5 - 25 mL	28, 33, 38 mm	EA	090-3011	\$580.26
5 - 50 mL	28, 33, 38 mm	EA	090-3161	\$593.46
10 - 100 mL	28, 33, 38 mm	EA	090-3171	\$911.41



To keep your bottle-top burettes and dispensers working properly, the instruments must be cleaned routinely. For detailed instructions, call us today.

DISPENSERS

Brinkmann Bottletop Dispensers

Ideal for dispensing reproducible volumes of liquid from large supply bottles without reagent waste. The extremely chemical-resistant construction also ensures the best possible protection for the user and their laboratory when working with caustics or acids. Completely autoclavable as assembled.



Capacity	Includes adapters	Unit	Stock#	PRICE
2 - 10 mL	28, 40, 45 mm	EA	090-7007	\$514.67
5 - 25 mL	33, 38, 40 mm	EA	090-7014	\$687.83
10 - 50 mL	33, 38, 40 mm	EA	090-7005	\$735.93

Brinkmann ChemSaver™
Bottletop Dispensers

Same features as the basic bottle-top dispenser with the added benefit of a recirculating safety valve to reduce waste by channeling reagent back into the bottle during priming.



Capacity	Includes adapters	Unit	Stock#	PRICE
0.1 - 2.5 mL	28, 40, 45 mm	EA	090-3561	\$548.34
2 - 10 mL	28, 40, 45 mm	EA	090-3563	\$548.34
5 - 25 mL	33, 38, 40 mm	EA	090-3564	\$759.98
10 - 50 mL	33, 38, 40 mm	EA	090-3562	\$769.60

Bottletop Dispensers

Economically priced, these bottle top dispensers work perfectly for all your chemical dispensing needs. Made of PTFE and borosilicate glass for maximum chemical resistance, including acids. The dispensers feature a 30 mm thread and come complete with five additional adapters (sizes 28 mm, 40 mm, and 45 mm). They are fully autoclavable and work with most laboratory bottles. The accuracy of these dispensers is exceptional and offers one of the best values in the industry. 1 year warranty.



Capacity	Divisions	Unit	Stock#	PRICE
0.25 to 2.5 mL	0.05 mL	EA	700-3401	\$262.49
0.5 to 5 mL	0.1 mL	EA	700-3402	\$262.49
1 to 10 mL	0.2 mL	EA	700-3403	\$262.49
2.5 to 30 mL	0.5 mL	EA	700-3404	\$319.38
5 to 60 mL	1.0 mL	EA	700-3405	\$319.38

BD Glass Syringe

Graduated in .01 cc, this syringe, with LUER-LOK™ tip, permits accurate measurement of fat decanted for acid degree value titrations. 1 cc capacity.

Unit	Stock#	PRICE
EA	066-3001	\$119.93

BD Cornwall™ Syringes

For rapid pipetting of identical volume samples. Create an assembly consisting of a two-piece glass LUER-LOK™ tip syringe; a spring-loaded metal syringe holder; 3-1/2" cannula; and a loop. For samples from the same source, addition of the filling outfit further speeds the process. Sample volume adjusts from 0 to maximum syringe capacity.



Description	Unit	Stock#	PRICE
Syringes			
Syringe, 2 cc, 0.1 cc division	EA	066-3002	\$110.48
Syringe, 5 cc, 0.2 cc division	EA	066-3005	\$147.90
Syringe, 10 cc, 0.5 cc division	EA	066-3010	\$187.85
Syringe Holder			
Metal holder for 5 cc	EA	066-3022	\$739.29
Cannula			
Cannula, 3 1/2", 13 gauge	EA	066-3014	\$25.94
Filling Outfit			
Filling outfit two-way valve, tubing and sinker	EA	066-3035	\$298.79
Loop			
Inoculating loop, 0.001 mL (1 µl), 1.45 mm ID	EA	155-3370	\$200.04
Replacement Parts			
Rubber washers	PK	066-3019	\$19.95

Popper 2 mL Pipetting Assembly for Plate Loop Counts

All-in-one pipetting assembly for identical volume samples. It comes with everything you need; 2 mL syringe, syringe holder, filling outfit, cannula, and metal holder. No need to purchase separate items to make your pipetting assembly. The only other item needed is the 0.001 mL inoculating loop (#155-3370.)



Description	Unit	Stock#	PRICE
0.1 mL graduations	EA	716-3068	\$381.25
0.001 mL inoculating loop	EA	155-3370	\$200.04

Call Customer Service at 800-826-8302

PIPETTORS & PIPET TIPS

MICROMAN® Pipette

Fully adjustable, positive-displacement pipette that, together with its replaceable plastic capillary (tip) and piston, will ensure accuracy and precision when pipetting problem liquids and offers full protection against cross contamination. Even accurate with viscous liquids. Ideal for using in conjunction with the Nelson-Jameson M926 Chloride Analyzer for salt analysis.

Mfg Part #	Model	Volume	Pkg	Unit	Stock#	PRICE
F148505	M250	50 - 250 µL		EA	271-3000	\$305.00
Capillary & Pistons for MICROMAN						
F148114		50 - 250 µL	200/bx	BX	271-3001	\$66.00
F148014		50 - 250 µL	960/bx (10 racks of 96)	BX	271-3002	\$331.00
F148014	Rack only	50 - 250 µL	96/rack	RA	271-3003	\$37.82



Li'lpet Mini Pipettors

Reach a higher level of accuracy with our Li'lpet Mini Pipettors. These mini pipettors include a two-step plunger that facilitates super blow-out from the tip (last drop dispensing). This allows the Li'lpet to be used for reverse pipetting and repetitive pipetting. All pipettes are 125 mm in length. Autoclavable. Each pipettor is individually calibrated per DIN 12650 standards.



Description	Unit	Stock#	PRICE
10 µL	EA	700-3200	\$21.98
20 µL	EA	700-3120	\$21.98
25 µL	EA	700-3125	\$21.98
50 µL	EA	700-3450	\$21.98
100 µL	EA	700-3210	\$21.98
200 µL	EA	700-3220	\$24.47
500 µL	EA	700-3250	\$24.47
1000 µL	EA	700-3103	\$24.47

Variable Volume Autoclavable Micropipettes

Featuring autoclavable tipcones and built-in tip ejectors. Easy to calibrate, maintain and easy to disassemble for autoclaving. Pipettes are calibrated according to ISO 8655 standards. A calibration certificate is provided with each pipette.

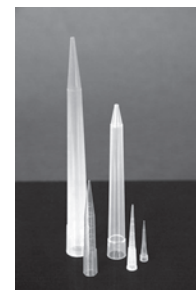


Description	Unit	Stock#	PRICE
10-100 µL	EA	700-3711	\$117.40
20-200 µL	EA	700-3712	\$117.40
100-1000 µL	EA	700-3710	\$117.40
0.5-5 mL	EA	700-3713	\$117.40

Replacement Pipet Tips

Assure optimal compatibility with the above variable volume micropipettes. Other sizes available by special order. 701-3400 is sterile, wide tip, extra-long, and racked.

Description	Pkg	Unit	Stock#	PRICE
2-200 µL	1000/pk	PK	700-3102	\$13.90
200-1000 µL	1000/pk	PK	700-3110	\$22.50
100-1250 µL	96/ra	RA	701-3400	\$11.81
5 mL	500/pk	PK	700-3105	\$45.23



Prices subject to change.

PIPETTORS

Eppendorf® Research® plus Pipettes

The most advanced and ergonomic pipette available from Eppendorf. The pipette has been designed from the ground up to be the lightest and most ergonomic pipette while still maintaining performance and robustness. The ultra light Eppendorf Research plus Pipette meets the highest needs in precision and accuracy - combined with ultimate ergonomics and increased flexibility. Features include easy volume adjustment, color control button, ergonomically placed ejector button, 4 digit volume display, secondary adjustment display, Eppendorf PerfectPiston™ system, and spring loaded tip cone. Autoclavable. Single-channel. 8 and 12-channel options also available. 3-year warranty.



Mfg Part #	Volume Range	Control Button Color	Unit	Stock#	PRICE
Adjustable Volume					
3120000038	2-20 µL	Yellow	EA	090-3331	\$369.99
3120000046	10-100 µL	Yellow	EA	090-3332	\$369.99
3120000054	20-200 µL	Yellow	EA	090-3312	\$369.99
3120000062	100-1,000 µL	Blue	EA	090-3334	\$369.99
3120000070	0.5-5 mL	Violet	EA	090-3513	\$369.99
3120000089	1-10 mL	Turquoise	EA	090-3335	\$369.99
Fixed Volume					
3121000023	10 µL	Yellow	EA	090-3340	\$254.99
3121000040	20 µL	Yellow	EA	090-3341	\$254.99
3121000058	25 µL	Yellow	EA	090-3342	\$254.99
3121000066	50 µL	Yellow	EA	090-3343	\$254.99
3121000074	100 µL	Yellow	EA	090-3344	\$254.99
3121000082	200 µL	Yellow	EA	090-3345	\$254.99
3121000104	250 µL	Blue	EA	090-3346	\$254.99
3121000112	500 µL	Blue	EA	090-3347	\$254.99
3121000120	1000 µL	Blue	EA	090-3348	\$254.99

Eppendorf® Reference® Pipettes

Synonymous with pipetting accuracy, a smooth stroke, a compact and robust design, and superior operating comfort. One multifunctional button operates measuring stroke and blowout as well as ejects the tip. Features include: fully autoclavable, one-button operation for aspiration, dispensing, and tip ejection, reduced risk of aerosol contamination, volume setting automatically locks, chemically resistant, single-handed operation, and four-digit display. 3-year warranty.

Mfg Part #	Volume Range	Dispensing Button Color	Unit	Stock#	PRICE
Adjustable Volume					
4920000040	2-20 µL	Yellow	EA	090-3110	\$432.99
4920000059	10-100 µL	Yellow	EA	090-3111	\$432.99
4920000067	50-200 µL	Yellow	EA	090-3112	\$432.99
4920000083	100-1000 µL	Blue	EA	090-3113	\$432.99
4920000091	500-2500 µL	Red	EA	090-3114	\$432.99
Fixed Volume					
4921000052	10 µL	Yellow	EA	090-3015	\$325.99
4921000079	20 µL	Yellow	EA	090-3093	\$325.99
4921000087	25 µL	Yellow	EA	090-3094	\$325.99
4921000095	50 µL	Yellow	EA	090-3054	\$325.99
4921000109	100 µL	Yellow	EA	090-3095	\$325.99
4921000125	200 µL	Blue	EA	090-3511	\$325.99
4921000133	250 µL	Blue	EA	090-7000	\$325.99
4921000141	500 µL	Blue	EA	090-3528	\$325.99
4921000150	1000 µL	Blue	EA	090-3150	\$325.99
4921000168	2000 µL	Red	EA	090-3529	\$325.99
4921000176	2500 µL	Red	EA	090-3097	\$325.99

Call Customer Service at 800-826-8302

PIPETTORS & PIPET TIPS

Eppendorf® Repeater® M4

The Repeater M4 makes performing long pipetting series easier and faster. Works with nine sizes of Eppendorf Combitips advanced®. A built-in sensor detects the Combitips automatically, showing the tip volume on an easy-to-read display and eliminating the need for manual volume calculations. In addition, the new central Combitip ejector supports one-handed operation for contact-free tip ejection that avoids any risk of contamination. The aspirated liquid can be dispensed up to 100 times without refilling the tip. Volumes are dispensed using the positive displacement principle so even liquids that are difficult to pipette are no match for the Repeater M4. Dispenses volumes of 1 µL to 10 mL. 3-year warranty.



Mfg Part #	Description	Unit	Stock#	PRICE
4982000322	Repeater M4 w/ wall mount & Combitips advanced assortment pack	EA	090-3999	\$571.99

3M™ Electronic Pipettors II

Efficiency, versatility, and precision are combined into one simple, yet sophisticated tool with these new, improved pipettors. Pre-programmed to perform the most common dilutions and provide high accuracy and precision handling for micro-volumes of liquids. Self-calibrating, microprocessor-based system reduces the possibility of human error and instrument contamination by controlling pipetting speed, calibration, and volume selection. Helps reduce the risk of repetitive strain injuries that are frequent with manual pipetting. Has over 1000 cycles when fully charged.

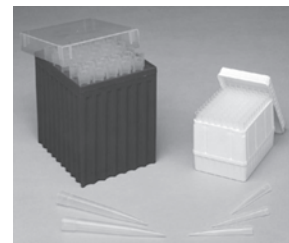


Description	Unit	Stock#	PRICE
3M Electronic Pipettor, 1 mL	EA	460-3502	\$592.36
3M Electronic Pipettor, 5 mL	EA	460-3503	\$592.36
Replacement Parts & Accessories			
Ceramic filter, 50/pk	PK	460-3070	\$10.29
Battery	EA	460-3081	\$50.99
Autoclavable grease	EA	460-3544	\$22.14

3M™ Electronic Pipettor Tips

For use with 3M Electronic Pipettors. Wide bore for easy pipetting. Available in bulk or convenient racks.

Description	Pkg	Unit	Stock#	PRICE
Tips, 1 mL				
Bulk	1000/bx	BX	460-3484	\$32.96
Racked	960/bx	BX	460-3485	\$49.44
Racked, presterilized	960/bx	BX	460-3486	\$55.63
Tips, 5 mL				
Bulk	250/bx	BX	460-3487	\$27.81
Racked	500/ca	BX	460-3488	\$84.47
Racked, presterilized	500/bx	BX	460-3489	\$103.02



Transferpette® Electronic Pipette

Combines the innovation of the Transferpette with the convenience and automation of motorized, electronic pipettes. The BrandTech® Transferpette electronic pipette is an accurate, ergonomic instrument for use in most laboratory applications. Single and multi-channel (for microwell pipetting) models are available in five volume ranges and feature an autoclavable pipette shaft or manifold. AC charger included. 1-year warranty.

Description	Unit	Stock#	PRICE
Single channel, 100 - 1000 µL	EA	090-3330	\$481.18



PIPETTORS

accu-jet® Pro Pipette Controller

Easily control pipetting speed via button pressure with this lightweight, motorized controller that sets the standard for convenience in liquid transfer. Equipped with a mode switch that allows users to select either powered dispensing or gravity delivery. Easy storage with supplied wall support.

Accepts 0.1-200 mL volumetric/serological pipets. Speed limiter thumbwheel helps prevent over-aspiration with small volume pipets. Dark blue. Other colors available by special order.

- Autoclavable with filter for sterile applications.
- UV-resistant for use in sterile hoods.
- Ergonomic design.
- No memory effect.
- Corrosion-resistant.
- 120V, 60Hz.

Includes: one wall support, two membrane filters, dual-mode charger, and operating manual.



Description	Unit	Stock#	PRICE
accu-jet Pro	EA	090-3650	\$384.00

Accessories

Non-sterile filters, 10/bg	BG	090-3653	\$95.70
----------------------------	----	----------	---------

BrandTech® macro™ Pipette Controller

An ergonomic alternative to rubber pipette bulbs and other manual aspiration devices, the macro pipette controller provides precise one-finger meniscus control. Membrane filter (included) reduces cross-contamination. An excellent tool for pipetting. Accommodates pipets from 0.1 to 200 mL. Fully autoclavable.



Description	Unit	Stock#	PRICE
Gray	EA	090-3001	\$88.06
Magenta	EA	090-3018	\$88.06
Blue	EA	090-3017	\$88.06
Green	EA	090-3020	\$88.06

Replacement Parts

Filter, 3 µm, 10/pk	PK	090-3002	\$77.89
Silicone adapter	EA	090-3003	\$9.34
Silicone suction bellow w/locking PP ring	EA	090-3025	\$34.49
Valve system	EA	090-3005	\$37.82

Rota-Filler™ 1000

This manual pipette filler is uniquely designed for one-handed operation. Simply squeeze the main bulb and push the toggle forward to aspirate or back to dispense. Push the blow-out bulb to expel any liquid remaining in the pipette. The Rota-Filler 1000 accommodates graduated or volumetric pipettes (glass or plastic) and can be used with volumes ranging from 1 mL to 100 mL. Suitable for use in extreme temperatures such as cold or hot environments that can damage expensive mechanical pipettors. Pipettor includes hydrophobic .45 µm filter and magnetic holder for metal surface mount or wall mount. Polypropylene nozzle is autoclavable. Overall dimensions are 7" x 1.75" x 4.75".



Description	Unit	Stock#	PRICE
RF1000 w/magnetic holder	EA	320-3000	\$42.14
Replacement Parts			
Filters, 5/pk	PK	320-3007	\$24.00
Adapter	EA	320-3008	\$15.35
Nose cone, pp, dark blue	EA	320-3009	\$19.30

Eppendorf® Pipet Helper®

The Eppendorf Pipet Helper offers safer, more convenient filling and dispensing for glass and plastic pipets. Apply vacuum with an easy-pull slide lever. One-handed control of aspiration, dispensing and vacuum saves time and leaves the other hand free to manipulate samples. Holds 0.1 to 100 mL pipets. Filter and pipet connector are autoclavable for decontamination. Does not require squeezing a bulb for vacuum. Easily disassembled for maintenance and cleaning.



Description	Unit	Stock#	PRICE
Pipet helper w/filter disk	EA	090-3503	\$89.41
Replacement Parts			
Filter, 3 µm, 10/pk	PK	090-3504	\$70.79
Silicone adapter	EA	090-3505	\$21.54

Scienceware® Pipet Pump™

For filling or dispensing. Rotate knob forward to slowly fill, backward to slowly dispense. On Fast Release pipet pump, depress side bar to quickly empty. On Standard pipet pump, empty rapidly by depressing plunger. Flexible rubber chuck accommodates a range of pipet sizes.



Color	For Pipettes Up To	Unit	Stock#	PRICE
Fast Release (shown)				
Blue	2 mL	EA	010-3020	\$23.49
Green	10 mL	EA	010-3021	\$23.49
Red	25 mL	EA	010-3022	\$31.28
Standard				
Blue	2 mL	EA	155-3623	\$21.69
Green	10 mL	EA	155-3624	\$22.68
Red	25 mL	EA	155-3625	\$31.28

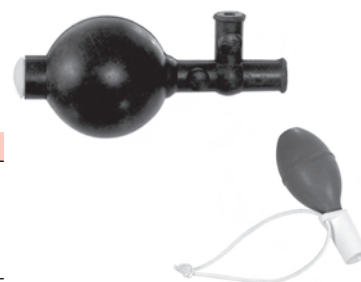
Call Customer Service at 800-826-8302

PIPET BULBS & TIPS

Pipet Filler Bulbs

Fit all standard pipets. One-hand operation.

Connection Type	Unit	Stock#	PRICE
Blue filler bulb w/valve	EA	153-3000	\$13.00
Green filler bulb w/valve	EA	153-3004	\$14.40
Multi-colored filler bulb w/valve	EA	153-3001	\$17.75
Safety bulb pipet filler w/elastic band	EA	320-3623	\$14.40



Pipet Tips

Unrack'd - Non-Sterile

All pipet tips are autoclavable and non-sterile.

Recommended For	Pkg	Unit	Stock#	PRICE
0.5-200 μL, Yellow				
Universal	1000/bg	BG	701-3200	\$21.22
1-200 μL, Yellow				
Eppendorf	200/bg	BG	498-3954	\$6.43
Eppendorf	1000/pk	PK	498-3964	\$21.20
2-200 μL, Yellow				
Eppendorf	500/bg	BG	090-3203	\$30.27
1-300 μL, Clear				
Universal	1000/bg	BG	634-3000	\$19.98
50-1000 μL, Blue				
Eppendorf	1000/ca	CA	090-3205	\$66.15
101-1000 μL, Blue				
Eppendorf	100/bg	BG	498-3952	\$7.21
Eppendorf, Oxford	1000/bg	BG	634-3114	\$21.50
Eppendorf (use w/rack for 634-3115)	1000/bg	BG	634-3751	\$23.11
Eppendorf, graduated @ 250, 500, 750 & 1000 μ L	1000/bg	BG	634-3351	\$20.83
Multifit, Universal	1000/bg	BG	716-3994	\$45.14
500-2500 μL, Clear				
Eppendorf	100/bg, 5 bg/ca	BG	090-3207	\$15.20
100-5000 μL, Clear				
Eppendorf	100/bg, 5 bg/ca	BG	090-3208	\$21.16

Pipet Tips

Open Rack - Non-Sterile

All pipet tips are autoclavable. (#634-3115 rack will also hold #634-3114 bulk packaged tips.) All pipet tips are non-sterile.

Recommended For	Pkg	Unit	Stock#	PRICE
1-200μL, Yellow				
Universal (low binding)	96/rk, 0 rk/pk	PK	701-3999	\$44.28
Eppendorf	200/rk	RA	498-3955	\$7.71
Eppendorf	200/rk, 5 rk/ca	CA	498-3965	\$28.09
101-1000μL, Blue				
Eppendorf	200/rk, 5 rk/ca	CA	634-3115	\$34.10
Universal	100/rk, 10 rk/pk	PK	155-3608	\$66.20
201-1000μL, Clear				
MLA	200/tray, 3 tray/pk	PK	220-3351	\$52.14
MLA	200/rk, 5 rk/pkg	PK	634-3565	\$33.83
201-1000μL, Blue				
Universal	100/rk, 10 rk/bx	BX	701-3046	\$42.28

Prices subject to change.

Pipet Tips

Maxi - Non-Sterile

All pipet tips are autoclavable and non-sterile.

Recommended For	Pkg	Unit	Stock#	PRICE
1-5 mL, Natural				
MLA	100/pk	PK	220-3048	\$33.33
MLA, Oxford, Pipetman	250/pk	PK	220-3395	\$55.35

Pipet Tips

Covered Rack

All pipet tips are autoclavable. (#090-3249 rack will also hold #090-3205 bulk packaged pipet tips.)

Recommended For	Pkg	Description	Unit	Stock#	PRICE
1-200 µL, Yellow					
Eppendorf	96/rk, 10 rk/ca	1-200 µL, Yellow	CA	634-3507	\$34.19
Universal, sterile	96/rk, 10 rk/ca	1-200 µL, Yellow	CA	634-3200	\$45.79
2-100 µL, Yellow					
Eppendorf, dual filter, low retention, PCR clean, sterile	96/rk, 10 rk/ca	2-100 µL, Yellow	CA	090-3333	\$167.22
Universal fit, filtered, sterile	96/rk, 10 rk/ca	2-100 µL, Yellow	CA	634-3503	\$75.00
2-200 µL, Clear					
Eppendorf, sterile	96/rk, 5 rk/ca	2-200 µL, Clear	CA	090-3210	\$99.97
50-1000 µL, Blue					
Eppendorf	96/rk, 10 rk/ca	50-1000 µL, Blue	CA	090-3211	\$99.43
Eppendorf, sterile	96/rk, 5 rk/ca	50-1000 µL, Blue	RA	090-3249	\$21.52
Eppendorf, filter, sterile	96/rk, 10 rk/ca	50-1000 µL, Blue	CA	090-3325	\$173.98
101-1000 µL, Blue					
Eppendorf, Oxford	100/rk, 10 rk/ca	101-1000 µL, Blue	CA	634-3512	\$43.42
101-1000 µL, Clear					
Universal Fit, Sterile (graduated)	100/rk, 10 rk/ca	101-1000 µL, Clear	CA	634-3515	\$63.02
101-1000 µL, Extra-Long, Clear, Filtered					
Pipetman, Oxford, Eppendorf, Fimipette, Biohit Prolilne, sterile	100/rk, 10 rk/box	101-1000 µL, Extra-Long, Clear	BX	701-3270	\$140.22
201-1000 µL, Blue					
Eppendorf, Pipetman, sterile	100/rk, 10 rk/box	201-1000 µL, Blue	BX	701-3047	\$64.58
201-1000 µL, Clear					
Universal, sterile	96/rk, 10 rk/ca	100-1250 µL, Clear	RA	701-3400	\$11.81
500-2500 µL, Blue					
Eppendorf	48/rk, 5 rk/pk	500-2500 µL, Blue	CA	090-3197	\$53.86
Universal, filtered, sterile	100/rk, 10 rk/ca	1000 µL, Clear	CA	498-3960	\$70.07

More pipets, such as bacteriological, serological, volumetric, and transfer pipets can be found on the following pages.

PIPETTORS, PIPET TIPS & PIPETS

Aerosol Filter Pipet Tips

These tips offer protection of pipettors especially in PCR applications. Tips include an endotoxin-free micro porous hydrophobic filter that is proven to block aerosol contamination. Tips and the polypropylene hinged racks are sterilized via gamma irradiation. Each lot is tested and certified free of RNase, DNase and endotoxins. For molecular-biological requirements, Eppendorf offers a new standard for uniform purity specifications. All tips below that are marked with PCR clean in the label in the label are guaranteed free of human DNA, DNase, RNase, and PCR inhibitors.



Description	Pkg	Recommended For	Unit	Stock#	PRICE
1-50 µL, Sterile	96/rk, 10 rk/pk	Eppendorf	PK	716-3123	\$129.09
20-300 µL, Orange	96/rk, 10 rk/pk	Eppendorf, dual Filter, LoRetention, PCR Clean/Sterile	CA	090-3131	\$178.91
2-200 µL, Yellow	96/rk, 10 rk/pk	Eppendorf, dual Filter, PCR Clean/Sterile	CA	090-3296	\$168.37
2-100 µL, Yellow	96/rk, 10 rk/pk	Eppendorf, dual filter, PCR Clean	CA	090-3333	\$167.22

Kimax® 37004 Volumetric Pipets

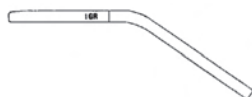
Glass pipets conform to ASTM E969, Class A, unserialized requirements. Color-coded by size. 12/case.



Capacity	Accuracy	Unit	Stock#	PRICE
0.5 mL	±0.006	CA	363-3000	\$138.10
1 mL	±0.006	CA	363-3001	\$140.89
2 mL	±0.006	CA	363-3002	\$140.89
5 mL	±0.01	CA	363-3005	\$137.16
10 mL	±0.02	EA	363-3006	\$12.88
20 mL	±0.03	EA	363-3008	\$19.12
25 mL	±0.03	EA	363-3009	\$20.45
50 mL	±0.05	EA	363-3010	\$25.14

Forcoven Curved Liquid Weighing Pipets

Made of borosilicate glass. Use for weighing liquid samples prior to fat extractions.



Capacity	Unit	Stock#	PRICE
1 g	EA	156-3708	\$10.52
2 g	EA	156-3709	\$11.58
5 g	EA	156-3710	\$11.58
10 g	EA	156-3711	\$12.63

Kimax® Dairy Pipets



Glass pipets designed to comply with Fed. Spec. DD-P-371. Designed to fit Kimble Babcock bottles. 12/case.

Capacity	Description	Unit	Stock#	PRICE
9 mL	Cream pipet, calibrated to deliver	EA	498-3050	\$13.20
17.6 mL	Milk pipet, calibrated to contain	EA	498-3100	\$16.68

Kimax® 3010 Gerber Milk Test Pipet

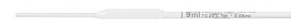
Glass pipets calibrated to deliver 11 mL of milk with accuracy of ±0.05. Pipet scale is permanent brown ink. Designed from ASTM specification E1043, type VI requirements, to comply with APHA. 12/case.



Unit	Stock#	PRICE
EA	363-3050	\$21.25

Forcoven Dairy Pipets

Borosilicate glass. Designed to fit Forcoven Babcock bottles. Acid-etched markings. 12/case.



Capacity	Description	Unit	Stock#	PRICE
9 mL	Cream pipet, calibrated to deliver	EA	156-3712	\$11.67
9 mL	Skim pipet, calibrated to contain	EA	156-3713	\$11.67
17.6 mL	Milk pipet (sealed #5), calibrated to contain	EA	156-3714	\$12.19

Pipet Brushes

White polyester fibers clean barrel, chamber and tip in one easy operation. Use with Kimble & Forcoven 9 mL and 17.6 mL pipets. 16"L.



Unit	Stock#	PRICE
EA	420-2170	\$1.79

Kimax® 37079 Glass Bacteriological Pipets

Calibrated to deliver undiluted milk with blow out of small amount remaining in tip; diluted milk without blow out. Tempered tip. Permanent markings. Meets APHA standards. 12/case.



Capacity	Calibration Lines @ mL	Accuracy	Unit	Stock#	PRICE
1.1 mL	1.1, 1.0, 0.5	±0.025 mL	EA	498-3107	\$8.01
2.2 mL	2.2, 2.1, 2.0, 1.0	±0.04 mL	EA	498-3104	\$9.20
10 mL	10	±0.10 mL	EA	363-3064	\$14.69

Prices subject to change.

Plastic Disposable Bacteriological Pipets

Eliminate mouthpiece and tip breakage with the innovative one-piece construction of these pipets. They are gamma sterilized, have high-quality print legibility, and have contamination-free color-coded cotton plugs. Meet APHA standards, as specified in "Standard Methods for the Examination of Dairy Products."

Capacity	Calibration Lines @ mL	Pkg	Unit	Stock#	PRICE
Bulk Pack					
1.1 mL	0.5, 1.0, 1.1	1000/ca	CA	498-3106	\$158.77
2.2 mL	2.2, 2.1, 2.0, 1.0	1000/pk	CA	363-3212	\$107.58
Individually Wrapped					
1.1 mL	0.5, 1.0, 1.1	500/ca	CA	363-3110	\$92.62
2.2 mL	2.2, 2.1, 1.0, 0.5	500/pk	CA	363-3210	\$62.45

Kimax® 37034A Serological Glass Pipets



With graduations to the tip, these serological glass pipets have permanently marked bands near the top end to indicate that the small amount remaining in the tip after free delivery has ceased must be blown out to obtain total rated capacity. Color-coded for ease in sorting and selecting the correct size. 12/case.

Color	Capacity	Subdivisions	Accuracy	Unit	Stock#	PRICE
Yellow	1 mL	0.01 mL	±0.02	EA	156-3762	\$10.00
Blue	5 mL	0.10 mL	±0.04	CA	363-3058	\$129.78
Orange	10 mL	0.10 mL	±0.06	EA	156-3764	\$12.35

Kimax® 72100 Glass Disposable Serological Pipets

Bulk pack. Pipets are clean, plugged, sterile and ready for use. Calibrated with two rings near top denoting that small amount remaining in tip after free delivery has ceased must be blown out and added to main volume delivered. Size 1 and 2 mL are packaged 25 pieces in a sterile reclosable bag, sizes 5 and 10 mL are 10 per bag, and overpacked in convenient shelf packs. 250/pack. Not for undiluted milk.



Capacity	Subdivisions	Negative Graduations	Accuracy	Unit	Stock#	PRICE
1 mL	0.1 mL	0.2	±0.02	PK	363-3036	\$58.69
1 mL	0.01 mL	0.2	±0.02	PK	363-3037	\$59.33
2 mL	0.01 mL	0.2	±0.04	BX	363-3038	\$67.63
5 mL	0.1 mL	1	±0.15	PK	363-3039	\$73.94
10 mL	0.1 mL	2	±0.30	PK	363-3040	\$129.41

Kimax® 72105 Glass Disposable Serological Pipets

Glass pipets are clean, plugged, sterile, and ready for use with a uniform pulled tip. Provided with negative graduations to increase the versatility of the pipet. Made from borosilicate glass in compliance with ASTM specifications. Individually wrapped.



Capacity	Subdivisions	Negative Graduations	Accuracy	Pkg	Unit	Stock#	PRICE
1 mL	0.01 mL	0.2±0.02	±0.02	1000/ca	CA	156-3751	\$260.83
10 mL	0.1 mL	2.5 mL	±.03	500/ca	CA	363-3102	\$190.48

Disposable Serological Plastic Pipet, Wide Tip



Bulk packed. Plugged pipets packaged in sterile reclosable bags. Has a large tip opening of approximately 3.5 mm, for use with viscous liquids and suspensions. 25/bag; 16 bags/case.

Capacity	Calibration Lines @ mL	Accuracy	Unit	Stock#	PRICE
10 mL	0.1	±0.20	CA	363-3065	\$106.53

Call Customer Service at 800-826-8302

PIPETS

Kimax® 37034B Serological Pipet, Glass, Wide Tip



Calibrated to deliver to the tip. Color-coded ring on top of pipet for easy sorting and identification. Reusable. Glass.

Capacity	Color	Subdivisions	Pkg	Unit	Stock#	PRICE
10 mL	Orange	0.1 mL	12/ca	EA	498-3049	\$16.41
25 mL	White	0.1 mL	6/ca	EA	363-3051	\$24.73

Argos Plastic Disposable Serological Pipets



Bulk pack. Plugged, color-coded, sterile pipets packaged in sterile reclosable bags containing 25 pieces per bag, except for #363-3250 which has 10 pieces per bag. Sold by full case only. All non-pyrogenic.

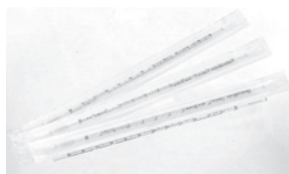
Capacity	Subdivisions	Negative Graduations	Accuracy	Color	Packaging	Unit	Stock#	PRICE
1 mL	0.1 mL	0.1	±0.02	Red	1000/ca	CA	498-3109	\$156.39
1 mL	0.01 mL	0.01	±0.02	Yellow	1000/ca	CA	363-3041	\$144.01
2 mL	0.01 mL	0.01	±0.04	White	1000/ca	CA	363-3200	\$168.22
5 mL	0.1 mL	0.1	±0.10	Blue	500/ca	CA	363-3061	\$118.99
10 mL	0.1 mL	0.1	±0.20	Orange	400/ca	CA	363-3062	\$111.55
25 mL	0.2 mL	0.2	±0.50	Green	150/ca	CA	363-3250	\$99.19
50 mL	0.5 mL	0.5	±1.0	Purple	100/ca	CA	363-3350	\$166.75

Argos Plastic Disposable Serological Pipets

Individually wrapped, sterile, plugged, color-coded serological pipets have reverse graduations. The fiber-free paper wrap ensures a quick peel apart opening. Sold by the case. All non-pyrogenic.

Capacity	Subdivisions	Negative Graduations	Color	Pkg	Unit	Stock#	PRICE
1 mL	0.01 mL	0.01	Red	500/ca	CA	363-3111	\$83.99
1 mL	0.1 mL	0.1	Yellow	500/ca	CA	363-3770	\$91.83
2 mL	0.01 mL	0.01	White	500/ca	CA	156-3772	\$88.67
5 mL	0.1 mL	0.1	Blue	200/ca	CA	156-3773	\$54.57
10 mL	0.1 mL	0.1	Orange	200/ca	CA	156-3774	\$63.03
25 mL	0.2 mL	0.2	Green	150/ca	CA	156-3775	\$118.96
50 mL	0.5 mL	0.5	Purple	100/ca	CA	363-3550	\$173.16

Argos Plastic Disposable Serological Pipets-Open and Wide Tip



One-piece construction eliminates mouthpiece and tip breakage. Sterile, disposable pipets feature wider tip openings, necessary for samples which are viscous or contain particulate matter such as whey concentrates or meat slurries. The pipets have negative graduations that measure past the stated capacity. Reverse graduations make reading the amount of liquid removed or amount remaining easy. 0.1 mL subdivisions on all pipets. Bulk packs made up of inner packs of 25 pipets/bag.

Capacity	Tip Opening	Pkg	Unit	Stock#	PRICE
Individually Wrapped					
1 mL	Open	500/ca	CA	363-3715	\$113.19
10 mL	Open	200/ca	CA	363-3711	\$87.70
Bulk Pack					
10 mL	Wide	400/ca	CA	363-3065	\$106.53

Prices subject to change.

PIPETS & ACCESSORIES

Argos Shorty Pipets



The ideal solution when you need a shorter pipet for applications like testing under fume hoods. The pipets are only 9 inches long, which saves you 4 inches from standard pipets. Made of polystyrene, gamma sterilized and pyrogen free. Easy-to-read graduations. Unique filter plug stays in place and eliminates lint fibers. Color-coded rings make for easy identification. Fiber-free paper wrap ensures quick peel-apart opening of your pipet.

Size	Pkg	Unit	Stock#	PRICE
5 x 0.1 mL	200/ca	CA	156-3700	\$74.20
10 x 0.2 mL	150/ca	CA	156-3210	\$56.73
25 x 0.5 mL	100/ca	CA	156-3325	\$93.84

Kimax® 37020 Mohr Measuring Pipets



Glass pipets that are ruggedly constructed for general laboratory work. Color-coded rings on top of the pipets. All sizes except 50 mL have fine tempered tips. The scale is permanent brown stain fused into uniform bore tubing without etching.

Capacity	Color	Subdivisions	Accuracy	Pkg	Unit	Stock#	PRICE
1 mL	Red	0.1 mL	±0.02	12/ca	CA	363-3021	\$130.24
1 mL	Yellow	0.01 mL	±0.02	12/ca	CA	363-3022	\$130.36
2 mL	Green	0.1 mL	±0.02	12/ca	CA	363-3023	\$140.60
5 mL	Blue	0.1 mL	±0.04	1/ea	EA	363-3024	\$11.72
10 mL	Orange	0.1 mL	±0.06	1/ea	EA	363-3025	\$13.59
25 mL	White	0.1 mL	±0.10	1/ea	EA	363-3026	\$18.23
50 mL	Clear	0.2 mL	±0.16	1/ea	EA	363-3027	\$43.32

NASCO Pipet Sleeve

Prevent solids from plugging the tip of pipet when sampling liquids that may contain solid particles. Half of the sleeve is made of the same filter material that is used in the Whirl-Pak® filter bags and the other half is solid 3.0 mil polyethylene. The pipet slides into the sterile sleeve and is inserted into the liquid to be tested. The liquid passes through the filter, but not the solids. The sleeve is sized to hold up to a 10 mL pipet. 25/resealable package. 500 sleeves/box.



Nasco
Dedicated to Delivery

Mfg Part #	Pkg	Unit	Stock#	PRICE
B041523WA	25/pk, 20pk/bx	BX	486-3523	\$83.40

Stainless Steel Pipet Boxes

Holds pipets during autoclaving and storage. Choice of round or square. Telescoping top on each.



Description	Size	Unit	Stock#	PRICE
Square	2" x 2" x 16.5"	EA	155-3610	\$130.07
Round	2.5" x 16.5"	EA	155-3609	\$123.65

Nalgene® 5250 Pipet Washer-Rinser

Avoid problems related to disposal of single use pipets, save money by reusing glassware, and increase accuracy by purchasing high quality precision products. A well organized pipet washing system with the right components will give you those advantages without significant increases in labor costs.

Pipet jars of high density polyethylene are ideal for soaking pipets. Soaking instructions and formula is shown on the label. After soaking, place pipets into pipet basket which holds pipets securely as they are cleaned in the washer-rinser. Polyethylene perforated screen baskets cushion pipets and allow for complete drainage. The one-piece, leakproof, polyethylene washer-rinser has a wide range of cycling speeds. Operates with water pressure from 1-1/2 to 12 liters per minute. Complete with inlet and outlet tubing, ready for immediate installation. Set includes pipet jar, basket, and washer for 24" pipet sizes. Baskets and jars are also sold separately. Alcotab™ detergent recommended.



Description	Size	Unit	Stock#	PRICE
Set for 16" pipets	30 1/2"H	ST	479-3305	\$693.02
Set for 24" pipets	38"H	ST	155-3630	\$885.51

Call Customer Service at 800-826-8302

TRANSFER PIPETS

SAMCO® Transfer Pipets

SAMCO Transfer Pipets are an excellent choice for improved safety and disposable convenience for food processing labs. The single unit design features a built-in pipet bulb that eliminates time-consuming plugging, packaging and autoclaving while preventing cross contamination. Made from shatterproof, low density polyethylene which is non-toxic and inert.

Here are examples of some of the many applications for these economical, versatile laboratory tools:

- Gently feed a Sedi-Pet® tube into the fill hole of a crystalized electrode; withdraw spent solution or flush and agitate to remove crystals by repeatedly squeezing bulb.
- Use Fine Tipped Pipets to carefully and accurately weigh liquid concentrates for moisture testing; the 20 microliter drop size will help prevent overshoot of target weights.
- Accurately transfer small volumes of liquid (to 20 microliters) using Fine Tip Transfer Pipets; useful for ELISA substrate blending.
- Conveniently store practical quantities of frozen or refrigerated standards; draw positive control up into Sedi-Pet® bulb, clip, seal tube with portable sealing tool, and freeze; to use, thaw, clip above seal, and dispense.
- Apply sample to slides for staining using the Padl-Pet® pipet; just the right size drop is delivered each time; then use the paddle end of the pipet to spread evenly over the slide for fixing. Excellent accessory for gram stains.
- Use narrow stem sterile Sedi-Pet® to take environmental samples of standing water in hard-to-reach places; thread tip through drain or crevice, draw up sample, seal, label, and send to microlab.
- SAMCO® pipets should be used instead of needles and syringes wherever possible; they can be incinerated and will not tear or puncture disposal bags.

Call us for detailed literature and samples.

General Purpose Pipets



Excellent for routine transferring and sampling. #577-3302 are individually wrapped for sterile procedures. Sold by the pack

Length	Capacity	Drops/ mL	Pkg	Stock#	PRICE
15.0 cm	7.7 mL	22	500/pk	577-3301	\$22.46
15.0 cm	7.7 mL	22	500/pk	577-3302	\$53.91
15.0 cm	8 mL	22	400/pk	577-3304	\$20.65
8.7 cm	1.7 mL	25	500/pk	577-3309	\$21.96
12.9 cm	4 mL	25	400/pk	577-3310	\$21.16

Graduated Pipets



Appropriate for more accurate volume measurements. Sold by the pack. 500 each/pack.

Length	Capacity	Drops/ mL	Max. Grad.	Grad. Intvl.	Stock#	PRICE
Bulk Packaged						
13.8 cm	3 mL	25	1.0	0.25 mL	577-3314	\$21.10
15.0 cm	5 mL	25	1.0	0.25 mL	577-3315	\$22.96
15.0 cm	7 mL	22	3.0	0.50 mL	577-3317	\$38.58
15.6 cm	5 mL	25	2.0	0.50 mL	577-3318	\$23.26
Sterile, Bulk Packaged, 20/bg, 25 bg/pk						
15.0 mm	5.8 mL	25	1.0	0.25 mL	577-3358	\$37.64
Sterile, Individually Wrapped						
15.0 cm	5 mL	25	1.0	0.25 mL	577-3316	\$51.69
15.0 cm	7.7 mL	20	--	--	577-3302	\$53.91

Fine Tip Pipets



Excellent for the precise dispensing of small drops onto strips, plates or other small containers. #577-3328 are individually wrapped for sterile procedure. Sold by the pack

Length	Capacity	Drops/ mL	Pkg	Stock#	PRICE
14.4 cm	5 mL	50	500/pk	577-3327	\$38.73
14.4 cm	5 mL	50	400/pk	577-3328	\$59.40
15.3 cm	5.5 mL	50	250/pk	577-3320	\$24.92
15.0 cm	8 mL	45	400/pk	577-3331	\$31.59

Narrow Stem SEDI-PET® Pipets



Long, flexible stem that can be bent to draw liquids from narrow tubes into the bulb. Can be heat-sealed to serve as storage and transport vessels. #577-3323 are individually wrapped for sterile procedures. Sold by the pack.

Length	Capacity	Drops/ mL	Pkg	Stock#	PRICE
15.0 cm	4 mL	3.5	500/pk	577-3322	\$23.97
15.0 cm	4 mL	3.5	500/pk	577-3323	\$54.22

Your sampling needs are as important to us as they are to you. Please call if you need assistance.

Prices subject to change.

IN-LINE SAMPLING

QMI® Sampling Membrane



Reduce sample contamination during aseptic sampling with QMI membrane systems. This 7-port silicone aseptic sampling membrane comes with cap and is used with a number of SAFE-SEPTUM sampling products. Requires heavy gauge needles of 16 or 18 gauge.

- High grade sampling membrane (#109-3027) withstands temperatures up to 190°F at 150 psi for 200 hours.
- High heat membranes (#109-3029) withstand temperatures up to 280°F. Made in the USA. FDA approved.

Description	Unit	Stock#	PRICE
7-port high grade rubber/silicone sampling membrane	EA	109-3027	\$7.98
7-port high heat silicone sampling membrane	EA	109-3029	\$10.97
18 gauge needle, 100/bx	BX	066-3196	\$6.81
60 cc syringe, 40/bx	BX	066-3653	\$25.62

QMI® Sampling Bag Assembly



Used to aseptically obtain a large sample volume or composite sample from same port. Easy-to-use and pre-sterilized. Assembly includes needle, tubing and bag. 100/case.

Description	Unit	Stock#	PRICE
2L	EA	109-3200	\$4.14
5L	EA	109-3205	\$6.30

QMI® 250 mL Sampling Bag Assembly

Extend shelf life and avoid product defects using the QMI test for heat-resistant psychrotrophic bacteria (HRPB). These spore-forming organisms survive pasteurization and grow at refrigeration temperatures. Use the QMI 2L sampling assembly to collect a sample at the pasteurizer, then screen for the presence of HRPB. When these organisms are found, use the 250 mL QMI bag assembly with the Lab Pasteurization Count Test to identify milk loads and producers who are the source of HRPB.

Assembly comes with a sterile 250 mL bag, an 18 gauge needle and tubing. 100/case.



Description	Unit	Stock#	PRICE
Assembly	EA	109-3250	\$4.14
Butt Weld			
Tank fitting for insulated tanks	EA	109-3032	\$322.00
2½" butt weld elbow w/ fitting	EA	109-3037	\$377.00
Dust cover	EA	109-3226	\$0.50

QMI® Sampling Kit



Bacterial contamination can occur in any processing plant at any time. But when it is your plant and your products, it could mean financial disaster for you. Aseptic sampling can help you identify sources of contamination before disaster strikes. The system involves installing and regularly using patented, aseptic samplers on lines, product tanks, and even culture tanks. Don't take chances, take action against bacterial contamination.

Line and Tank Sampling Kit includes:

- 1 Aseptic Sampler.
- 1 Dust Cover.
- 7 Needles (18g).
- 7 Syringes (60cc).
- 7 Alcohol Wipes.
- Use instructions on box.

Description	Unit	Stock#	PRICE
Line and Tank Sampling Kit	KT	109-3035	\$36.05

QMI® Sampling System Elbow Fittings

Elbow fittings with pre-mounted membrane housings allow samples to be taken at a point of turbulent flow in a line, resulting in a more representative sample. Mounting of assemblies on straight pipe is not recommended. Select the elbow fitting most appropriate for your pipeline to permit sampling at critical processing control points. Fittings are supplied with stainless steel membrane housing nut (#109-3010). All 316 SS.



Diameter	Unit	Stock#	PRICE
Tri-Clamp			
1½"	EA	109-3031	\$307.00
2"	EA	109-3022	\$332.00
2½"	EA	109-3045	\$377.00
3"	EA	109-3033	\$407.00
Butt Weld			
1½"	EA	109-3034	\$307.00
2"	EA	109-3036	\$332.00
2½"	EA	109-3037	\$377.00
3"	EA	109-3038	\$407.00

Call Customer Service at 800-826-8302

IN-LINE SAMPLING

QMI® 7-Port Sampling System Tank Fittings



Tank fittings are stainless steel weld-on fittings that are installed typically on a tank door or wall. They are tooled for a precise fit to allow a flush CIP-able internal surface. Select from fittings for insulated or non-insulated installations. Fittings are supplied with stainless steel membrane housing nut (#109-3010) and dust cap. 7-port sampling membrane (#109-3027) sold separately.

Mfg Part #	Description	Unit	Stock#	PRICE
212123	Tank fitting for insulated installations	EA	109-3032	\$322.00
219023	Stainless steel nut	EA	109-3010	\$21.01
212113	Tank fitting for non-insulated installations	EA	109-3016	\$127.00

QMI® 12-Port Aseptic Transfer System



This unique system can be installed on processing tanks or vats to allow aseptic transfer of cultures or viscous materials. This will accommodate inoculation, sampling, fortifying, blending, and the aseptic introduction of nutrients, enzymes, flavors, etc. The system is compatible with sterilization temperatures, and works on the same principle as the aseptic sampling system. A sterile syringe and needle are used to draw up ingredients. The needle is then inserted into one of 12 injection ports in the specially designed membrane. Larger channels accommodate heavy gauge needles required for viscous liquids. Mount non-insulated tank fittings to house injection port membrane. Complete instructions included.

Mfg Part #	Description	Unit	Stock#	PRICE
110064	12-port Injection membrane	EA	109-3042	\$13.40
219054	12-port Stainless nut	EA	109-3994	\$24.00
212214	Tank fitting for non-insulated installations	EA	109-3039	\$412.00
113150	140 cc Syringe	EA	109-3043	\$6.40
113314	2" x 14 Gauge needle	EA	109-3044	\$0.81

Prices subject to change.

SAMPLE BAGS

WHIRL-PAK® Sample Bags



Popular throughout the food industry, sample bags are a convenient, low-cost way to handle liquid or solid samples. Leakproof and airtight, they occupy a fraction of the space of rigid containers and offer easier disposal. Made in the USA.

Features include:

- Patented, puncture-proof tabs. The tape covers the sharp ends of the wire, eliminating the razor-like edge.
- Whirl-Pak bags go through a separate sterilization procedure performed by an ISO certified company.
- Sterility documented for every lot.
- Separate pull tabs on each side of the bag to protect sterility when opening.
- Resins used in the extrusion of film for Whirl-Pak bags are FDA approved.
- Volume and dimensions are approximate; bags should not be used at temperatures above 180°F (82°C).
- Whirl-Pak bags are available in a variety of styles to meet your every sampling need.
- Freezer safe.

Mfg Part #	Capacity	Size	Mils	Pkg	Unit	Stock#	PRICE
Clear Style							
B01009	2-oz	3" x 5"	2.25	500/bx	BX	486-3009	\$43.41
B00679	4-oz	3" x 7"	2.25	500/bx	BX	486-3010	\$44.44
B00992	7-oz	3.75" x 7"	3.00	500/bx	BX	486-3992	\$54.54
B01018	13-oz	5.25" x 7.5"	3.00	500/bx	BX	486-3014	\$70.10
B00736	18-oz	4.5" x 9"	2.50	500/bx	BX	486-3015	\$62.56
B01020	24-oz	6" x 9"	3.00	500/bx	BX	486-3020	\$81.98
B00990	27-oz	4.5" x 12"	3.00	500/bx	BX	486-3017	\$85.52
B00994	36-oz	5" x 15"	3.00	500/bx	BX	486-3023	\$99.90
B01027	42-oz	6" x 15"	3.00	500/bx	BX	486-3027	\$116.97
Write-On Style							
B01064	2-oz	3" x 5"	2.50	500/bx	BX	486-3006	\$46.38
B01062	4-oz	3" x 7"	2.25	500/bx	BX	486-3011	\$47.76
B01489	7-oz	3.75" x 7"	2.50	500/bx	BX	486-3099	\$59.72
B01490	13-oz	5.25" x 7.5"	2.50	500/bx	BX	486-3003	\$78.39
B01065	18-oz	4.5" x 9"	2.50	500/bx	BX	486-3018	\$67.19
B01297	24-oz	6" x 9"	3.00	500/bx	BX	486-3019	\$88.21
B01491	27-oz	5" x 12"	3.00	500/bx	BX	486-3021	\$102.53
B01515	69-oz	7.5" x 15"	3.00	500/bx	BX	486-3515	\$160.66
B01445	92-oz	10" x 15"	4.00	250/bx	BX	486-3445	\$131.28
B01447	184-oz	15" x 20"	4.00	100/bx	BX	486-3184	\$99.89

**Are you looking for Sample Bag Racks?
See page 158.**

Call Customer Service at 800-826-8302

SAMPLE BAGS

WHIRL-PAK® Colored Tape Bags



Whirl-Pak bags now come with colored tape. This exciting new feature allows you to isolate samples according to the colored tape, providing an instant visual indicator for each section of the lab or plant, differentiate between treated and non-treated samples, or keep allergens separated from regular samples. 500/box.

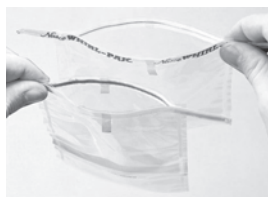
Mfg Part #	Color	Capacity	Size	Mil	Unit	Stock#	PRICE
B01062(WT)	White tape	4-oz	3" x 7"	2.25	BX	486-3150	\$49.56
B01062(BT)	Blue tape	4-oz	3" x 7"	2.25	BX	486-3154	\$49.56
B01062(RT)	Red tape	4-oz	3" x 7"	2.25	BX	486-3158	\$49.56
B01065(WT)	White tape	18-oz	4.5" x 9"	2.50	BX	486-3151	\$73.48
B01065(BT)	Blue tape	18-oz	4.5" x 9"	2.50	BX	486-3155	\$73.48
B01065(RT)	Red tape	18-oz	4.5" x 9"	2.50	BX	486-3159	\$73.48
B01297(WT)	White tape	24-oz	5.5" x 9"	3.00	BX	486-3152	\$98.86
B01297(BT)	Blue tape	24-oz	5.5" x 9"	3.00	BX	486-3156	\$98.86
B01297(RT)	Red tape	24-oz	5.5" x 9"	3.00	BX	486-3160	\$98.86
B01195(WT)	White tape	55-oz	7.5" x 9"	4.00	BX	486-3153	\$162.33
B01195(BT)	Blue tape	55-oz	7.5" x 9"	4.00	BX	486-3157	\$162.33
B01195(RT)	Red tape	55-oz	7.5" x 9"	4.00	BX	486-3161	\$162.33

WHIRL-PAK® Instruction Sheets

This is the perfect step-by-step instruction sheet with images directing one how to properly use the Whirl-Pak sample bags. One pad of 25 instruction sheets free of charge with any Whirl-Pak order.

Unit	Stock#	PRICE
PD	486-3131	Free

WHIRL-PAK® Flat Wire Bags



Flat wire provides a thicker tab, resulting in a heavier closure. With white write-on stripe. 500/box.

Mfg Part #	Capacity	Size	Mils	Unit	Stock#	PRICE
B01339	4-oz	3" x 7.25"	2.25	BX	486-3339	\$51.23
B01341	18-oz	4.5" x 9"	2.50	BX	486-3341	\$72.58

More WHIRL-PAK® bags on the next page...

SAMPLE BAGS

WHIRL-PAK® Black Bags



When it is necessary to protect a sample from light, the Whirl-Pak black bag is specially designed for this application. The polyethylene film is made from pigmented resins so the black color is an integral part of the bag and not a printed layer. FDA approved for food contact. 500/box.

Mfg Part #	Capacity	Size	Mils	Unit	Stock#	PRICE
B01472	4-oz	3" x 7.25"	2.50	BX	486-3472	\$65.47
B01418	18-oz	4.5" x 9"	2.50	BX	486-3418	\$99.06

WHIRL-PAK® Stand-Up Bags



Features gusset in bottom allowing bag to stand completely on its own. With white write-on stripe.

Mfg Part #	Capacity	Size	Mils	Pkg	Unit	Stock#	PRICE
B01364	4-oz	3" x 7"	2.25	500/bx	BX	486-3258	\$60.41
B01365	18-oz	4.5" x 9"	2.50	500/bx	BX	486-3259	\$89.52
B01401	24-oz	6" x 9"	3.00	500/bx	BX	486-3261	\$111.44
B01451	69-oz	7.5" x 15"	4.00	250/bx	BX	486-3451	\$121.60
B01542	138-oz	15" x 15"	4.00	100/bx	BX	486-3516	\$162.25

WHIRL-PAK® Pocket Bag



With pocket for paperwork. Clear. 500/box.

Mfg Part #	Capacity	Size	Mils	Unit	Stock#	PRICE
B01255	24-oz	6" x 9"	2.50	BX	486-3257	\$101.01

WHIRL-PAK® Thio Bags®



Designed for sampling chlorinated water. EPA approved, and contain 10 mg of active sodium thiosulfate to neutralize chlorine at the time of collection. White write-on stripe. Marking at 100 mL to aid in the collection of the correct amount of water by Standard Methods. 100/box.

Mfg Part #	Capacity	Size	Mils	Unit	Stock#	PRICE
B01040	100 mL	3" x 7.25"	2.25	BX	486-3012	\$21.91
B01254	300 mL	4.5" x 9"	2.50	BX	486-3254	\$45.98

Call Customer Service at 800-826-8302

SAMPLE BAGS

Economy Sample Bags

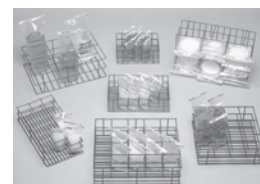
Sterile, puncture-proof, white flat-wired economy sample bags. Bags are leakproof and airtight. They are manufactured in an ISO certified facility. 500/box.

Capacity	Size	Mils	Unit	Stock#	PRICE
Clear Style					
4-oz	3" x 7"	2.00	BX	486-3182	\$40.86
18-oz	4.5" x 9"	2.00	BX	486-3185	\$57.65
24-oz	6" x 9"	2.50	BX	486-3187	\$79.72
Write-On Style					
4-oz	3" x 7"	2.00	BX	486-3183	\$45.49
18-oz	4.5" x 9"	2.00	BX	486-3186	\$67.25



WHIRL-PAK® Sample Bag Racks

Specially designed for Whirl-Pak bags. Blue powder paint coating electrostatically applied to heavy-gauge wire construction. Autoclavable. Sold individually.



Accommodates Whirl-Pak Bag Size	Compartments	Compartment Size	Size	Stock#	PRICE
1 to 7-oz	15	1.5" x 2"	6.75"L x 9.25"W x 3"H	486-3065	\$22.22
1 to 7-oz	18	1.5" x 2"	6.75"L x 11"W x 3"H	486-3080	\$23.22
1 to 7-oz	21	1.5" x 2"	6.75"L x 12.75"W x 3"H	486-3060	\$24.43
1 to 7-oz	30	1.5" x 2"	10.75"L x 11.5"W x 3"H	486-3070	\$26.64
4 to 7-oz	18	2" x 2"	6.5"L x 12.75"W x 3"H	486-3000	\$30.73
13 to 24-oz	12	3.25" x 2.5"	10.75"L x 10.75"W x 3.5"H	486-3075	\$29.87
13 to 24-oz	20	2.5" x 2.5"	13.25"L x 10.75"W x 3.5"H	486-3120	\$30.87
13 to 69-oz	6	4.5" x 4.5"	13.25"L x 9.25"W x 4.5"H	486-3122	\$36.15

TWIRL'EM® Sample Bags

The original twirl-style sample bag developed by Albert Mojonnier in 1959. Made of heavy polyethylene; these bags do not have side seals to break or leak, and are inherently sterile without ethylene oxide gas sterilization. Utilizing a unique manufacturing process, formed from a continuous tube of clear, virgin plastic. The heat of manufacturing assures sterility. Air utilized in the process is double-filtered through HEPA filters. Therefore, these bags contain no dust, microorganisms, or ethylene oxide residues. Sterility is confirmed by independent laboratory testing. Available in a wide variety of sizes—including jumbo bags for extra-large samples. Choose from round or flat wire closures. Round wire twirls closed, forming a strong, rolled plastic seal. Flat wire, often preferred for extra strength in larger bags, seals with a simple fold-and-clamp motion. Optional white stripe is convenient for labeling samples.

Pouch-Packaged Bag



Convenient pouch of 25 bags each. Ideal for milk haulers. Clear unprinted bags with flat wire. 500/box.

Mfg Part #	Capacity	Dimensions	Thickness	Unit	Stock#	PRICE
BFL-4560-25	8-oz	4.5" x 6"	3.0 mil	BX	467-3012	\$71.53

Prices subject to change.

SAMPLE BAGS

TWIRL'EM® Sample Bags

Available with or without a white marking stripe. 467-3025 and 467-3027 have both a round and flat wire.

Capacity	Dimensions	Thickness	Pkg	Unit	Stock#	PRICE
Clear Unprinted, Round Wire						
5-oz	3" x 7"	2.50 mil	500/bx	BX	467-3025	\$57.03
18-oz	4.5" x 9"	3.00 mil	500/bx	BX	467-3029	\$59.64
24-oz	5.5" x 9"	3.50 mil	500/bx	BX	467-3033	\$65.73
27-oz	4.5" x 12"	3.00 mil	500/bx	BX	467-3037	\$68.49
36-oz	4.5" x 15"	3.00 mil	500/bx	BX	467-3045	\$78.59
40-oz	5.5" x 12"	3.50 mil	500/bx	BX	467-3041	\$88.65
55-oz	5.5" x 15"	3.50 mil	500/bx	BX	467-3049	\$91.99
55-oz	7" x 12"	3.00 mil	250/bx	BX	467-3057	\$47.61
Clear Unprinted, Flat Wire						
18-oz	4.5" x 9"	3.00 mil	500/bx	BX	467-3030	\$62.52
24-oz	5.5" x 9"	3.50 mil	500/bx	BX	467-3034	\$72.97
24-oz	5.5" x 9"	4.00 mil	400/bx	BX	467-3054	\$70.99
27-oz	4.5" x 12"	3.00 mil	500/bx	BX	467-3038	\$73.90
40-oz	5.5" x 12"	3.50 mil	500/bx	BX	467-3042	\$97.80
36-oz	4.5" x 15"	3.00 mil	500/bx	BX	467-3046	\$84.74
55-oz	5.5" x 15"	3.50 mil	500/bx	BX	467-3050	\$107.64
White Stripe, Round Wire						
5-oz	3" x 7"	2.50 mil	500/bx	BX	467-3027	\$57.62
18-oz	4.5" x 9"	3.00 mil	500/bx	BX	467-3031	\$63.24
22-oz	5.5" x 9"	4.00 mil	400/bx	BX	467-3055	\$76.76
24-oz	5.5" x 9"	3.50 mil	500/bx	BX	467-3035	\$77.16
27-oz	4.5" x 12"	3.00 mil	500/bx	BX	467-3039	\$74.01
40-oz	5.5" x 12"	3.50 mil	500/bx	BX	467-3043	\$93.06
36-oz	4.5" x 15"	3.00 mil	500/bx	BX	467-3047	\$79.75
55-oz	5.5" x 15"	3.50 mil	500/bx	BX	467-3051	\$99.51
White Stripe, Flat Wire						
18-oz	4.5" x 9"	3.00 mil	500/bx	BX	467-3032	\$67.00
24-oz	5.5" x 9"	3.50 mil	500/bx	BX	467-3036	\$81.33
40-oz	5.5" x 12"	3.50 mil	500/bx	BX	467-3044	\$100.57
36-oz	4.5" x 15"	3.00 mil	500/bx	BX	467-3048	\$89.06
55-oz	5.5" x 15"	3.50 mil	500/bx	BX	467-3052	\$109.79
55-oz	7" x 12"	4.00 mil	250/bx	BX	467-3058	\$62.47



Not locating a specific size or color for your sampling needs?

Remember if you cannot find it in our catalog or website, we can find it for you! More sampling products on the next page.

Call Customer Service at 800-826-8302

SAMPLING CONTAINERS & VIALS

Capitol Plastic Products Vials

Aseptic, translucent and guaranteed leak-proof with a triple seal. These dairy vials are an economical option for all your sampling and storage needs. Vials meet all requirements for the Federal Milk Marketing Administration, FDA and the Pasteurized Milk Ordinance (PMO). Made of food-grade, non-toxic polypropylene. Manufactured in a NCIMS-listed facility. Made in the USA.



Color	Pkg	Wt	Unit	Stock #	PRICE
1/2-oz					
Translucent	1500/ca	20	CA	210-3010	\$244.78
2-oz					
Translucent	600/ca	14.3	CA	210-3222	\$82.14
Clear/Smooth Top	600/ca	14.3	CA	210-3200	\$82.14
Dark Red	600/ca	14.3	CA	210-3210	\$82.13
Dark Orange	600/ca	14.3	CA	210-3208	\$82.13
Evergreen	600/ca	14.3	CA	210-3207	\$82.13
Gold	600/ca	14.3	CA	210-3201	\$82.13
Lime Green	600/ca	14.3	CA	210-3001	\$82.13
Light Brown	600/ca	14.3	CA	210-3205	\$82.13
Light Orange	600/ca	14.3	CA	210-3209	\$82.13
Pink	600/ca	14.3	CA	210-3202	\$82.13
Purple	600/ca	14.3	CA	210-3004	\$82.13
Royal Blue	600/ca	14.3	CA	210-3211	\$82.13
Sky Blue	600/ca	14.3	CA	210-3203	\$82.13
Turquoise	600/ca	14.3	CA	210-3204	\$82.13
Yellow	600/ca	14.3	CA	210-3002	\$82.13
Translucent Yellow	600/ca	14.3	CA	210-3212	\$82.13
3-oz					
Translucent	400/ca	13.8	CA	210-3333	\$62.16
Lime Green	400/ca	13.8	CA	210-3301	\$62.16
4-oz					
Translucent low-profile	240/ca	11.4	CA	210-3402	\$45.32
Translucent	250/ca	11.4	CA	210-3444	\$46.35
Lime Green	250/ca	11.4	CA	210-3401	\$46.35
8-oz					
Translucent	130/ca	11.5	CA	210-3800	\$45.96

Capitol Vial 2-oz Vials

Available in a variety of sizes, styles and colors, these vials are aseptic and ideal for a wide range of food, dairy, and water sampling applications.

No ethylene oxide or irradiation is required. In the field, the unique hinged-cap design allows the vial to be opened and closed with one hand—reducing the chance of contamination. Caps can't be accidentally switched. Leak-proof performance is assured. Containers meet requirements of the USDA dye test, the Federal Milk Marketing Administration, and the FDA as outlined in Standard Methods procedures. The integrity of your sample is protected by stringent quality control procedures.

Vials are molded of high density, food-grade, non-toxic polypropylene. They meet bacterial requirements of the Pasteurized Milk Ordinance (PMO). Ideal for bar-code systems and automation. Translucent, except where color is noted. Compatible with Fossomatic™ and MilkoScan™ equipment. The vials have a 45 mL capacity, 23 mm ID and length of 84 mm. 600/case. Made in the USA.

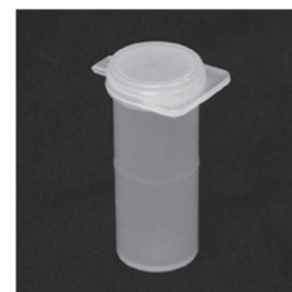


Color	Unit	Stock#	PRICE
Translucent	CA	170-3005	\$82.56
Translucent, Lock-top	CA	170-3206	\$90.96
Translucent, Smooth-top	CA	170-3405	\$87.94
Translucent, w/B-14 Pill	CA	170-3214	\$71.02
Amber	CA	170-3018	\$85.26
Light Brown	CA	170-3021	\$85.26
Evergreen	CA	170-3003	\$85.26
Gold	CA	170-3014	\$85.26
Lime Green	CA	170-3016	\$85.26
Dark Orange	CA	170-3017	\$85.26
Light Orange	CA	170-3026	\$85.26
Pink	CA	170-3015	\$85.26
Purple	CA	170-3006	\$85.26
Dark Red	CA	170-3004	\$85.26
Light Red	CA	170-3022	\$85.26
Royal Blue	CA	170-3002	\$85.26
Silver	CA	170-3013	\$85.26
Sky Blue	CA	170-3008	\$85.26
Turquoise	CA	170-3000	\$85.26
White	CA	170-3023	\$85.26
Wine	CA	170-3012	\$85.26
Yellow	CA	170-3007	\$85.26

Cornell Graduated Vials

Low profile, wide mouth, and aseptic. These snap top, polypropylene vials are generally used for mastitis and other dairy farm diagnostic samples.

Size	ID	Length	Unit	Stock#	PRICE
11 mL	20 mm	53 mm	CA	210-3050	\$72.10
11 mL	20 mm	53 mm	CA	210-3250	\$279.74



Prices subject to change.

SAMPLING CONTAINERS & VIALS

Capitol Vial 3-oz Vials

Same features as 2-oz vial. The vials have 90 mL capacity, 33 mm ID, and length of 93 mm. 400/case.

Color	Unit	Stock#	PRICE
Translucent	CA	170-3041	\$59.16
Gold	CA	170-3044	\$62.21
Lime Green	CA	170-3045	\$62.21
Purple	CA	170-3046	\$62.21
Dark Red	CA	170-3048	\$62.21
Sky Blue	CA	170-3047	\$62.21
Yellow	CA	170-3042	\$62.21
Light Orange	CA	170-3054	\$62.21



Capitol Vial Other Sizes

Translucent unless otherwise indicated.

Description	Size	Pkg	Capacity	ID	Length	Unit	Stock#	PRICE
Veterinary vial	½-oz	1500/ca	13 mL	10 mm	95 mm	CA	170-3070	\$190.69
High profile	4-oz	250/ca	120 mL	43 mm	90 mm	CA	170-3024	\$45.43
High profile, lock-seal	4-oz	250/ca	120 mL	43 mm	90 mm	CA	170-3028	\$51.74
High profile, smooth-top	4-oz	250/ca	120 mL	43 mm	90 mm	CA	170-3009	\$47.70
High profile, smooth-top, Lime Green	4-oz	250/ca	120 mL	43 mm	90 mm	CA	170-3025	\$47.08
High profile, Gold	4-oz	250/ca	120 mL	43 mm	90 mm	CA	170-3034	\$47.08
Low profile, lock-seal	4-oz	250/ca	120 mL	63 mm	50 mm	CA	170-3027	\$57.61
High profile, lock-seal	10-oz	100/ca	300 mL	62 mm	110 mm	CA	170-3308	\$40.49

Capitol Vial Sample Cups with Hinged Cap



Polypropylene, aseptic, hinged-cap sample containers ensure aseptic handling. Just pop the top, add sample, and close—all with one hand—without contacting the underside of the lid. Durable lip and snap-tight seal ensures sample integrity during transportation and storage. Compare prices with other disposable cups and jars and note the amazing economy of this product.

Size	Pkg	Capacity	ID	Length	Unit	Stock#	PRICE
4-oz	250/ca	120 mL	63 mm	50 mm	CA	170-3011	\$50.44
8-oz	150/ca	240 mL	75 mm	75mm	CA	170-3020	\$56.10

**Like the convenience of ordering online?
Visit our website at nelsonjameson.com**

Call Customer Service at 800-826-8302

SAMPLING CONTAINERS & VIALS

Custody Vials

Be absolutely certain of sample integrity. These foolproof vials have two tamper-evident indicators. One assures the individual providing the sample that the vial has never been opened. The second, sealed when the sample is added, assures the receiving laboratory that no subsequent tampering has taken place. Call us for a free sample of this ingenious vial.



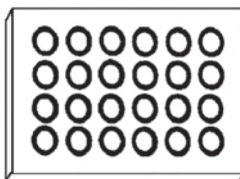
Size	Pkg	Capacity	ID	Length	Unit	Stock#	PRICE
2-oz	600/ca	45 mL	23 mm	84 mm	CA	170-3304	\$87.56
4-oz	240/ca	120 mL	44 mm	54 mm	CA	210-3411	\$48.41
10-oz	100/ca	300 mL	62 mm	110 mm	CA	170-3307	\$41.79

Capitol Vial Water Sample Vials

Ideal for sampling wells or tap water. Meets EPA requirements that sample containers be sterile, have a 100 mL fill line, and contain sodium thiosulfate to neutralize residual chlorine. Factory-sealed. Lock-top feature allows for incubation of sample. 200/case.

Description	Capacity	ID	Length	Unit	Stock#	PRICE
4-oz, High clarity	120 mL	43 mm	90 mm	CA	170-3254	\$45.35

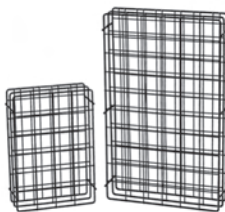
Capitol Vial Floating Vial Rafts



All rafts below are manufactured of polycell material. Rafts are flexible and unbreakable allowing a long useful life. Vials fit tightly in holders keeping top and labels out of water. All are 8" x 10".

Description	Vial size	Unit	Stock#	PRICE
24-vial raft	2-oz	EA	170-3060	\$2.67
20-vial raft	3-oz	EA	170-3063	\$2.67
12-vial raft	4-oz	EA	170-3065	\$2.67

Vinyl-Coated Vial Racks



Hold vials securely in these wire racks coated with corrosion-resistant vinyl. Racks available for 2-, 3- and 4-oz vials in various capacities. 3-oz rack includes built-in label holder. Sold individually. Black.

Description	Vial Size	Capacity	Size	Opening	Unit	Stock#	PRICE
Rack	2-oz	24 vials	9¼"L x 6¼"W x 2½"H	1½" x 1½"	EA	482-3005	\$27.26
Lid	2-oz	24 vials	-	-	EA	446-3006	\$24.21
Rack	2-oz	48 vials	12"L x 9"W x 2½"H	1½" x 1½"	EA	482-3010	\$31.35
Rack	2-oz	60 vials	15¼"L x 9½"W x 2½"H	1½" x 1½"	EA	482-3015	\$26.35
Rack	3-oz	24 vials	8"L x 12"W x 2¾"H	1½" x 1½"	EA	446-3007	\$46.77
Rack	4-oz	18 vials	12"L x 6"W x 2¾"H	1⅞" x 1⅞"	EA	446-3001	\$29.78
Lid	4-oz	-	-	-	EA	446-3002	\$15.95
Rack w/lid	4-oz	18 vials	12"L x 6"W x 2¾"H	1⅞" x 1⅞"	ST	446-3000	\$35.78

Prices subject to change.

SAMPLING CONTAINERS & SHIPPERS

Sterile Dippers with Removable Handle

Sterile, blue and individually wrapped, these polypropylene dippers are ideal for sampling and transporting your samples without risk of contamination. The 90 mL dippers have a hinged lid, while the 40 mL, 125 mL and 180 mL have a screw cap on the dipper. The removable handle is easy to detach by pushing down on the handle to remove it. You can return the vial back into the sterile bag, zip it closed, and transport for testing. The handles are 8.7" long.

Description	Pkg.	Unit	Stock#	PRICE
40mL	250/ca	CA	140-3840	\$423.33
90mL	150/ca	CA	140-3890	\$267.08
125mL	100/ca	CA	140-3125	\$257.19
180mL	100/ca	CA	140-3180	\$263.06



Specimen Cups

Economical 4-oz (120 mL), screw cap, specimen cups are individually wrapped and sterile. White label on the side of the sample cup can be used for easy identification of your sample. 100 per case.

Description	Size	Pkg	Unit	Stock#	PRICE
Specimen Cups	4-oz	100/ca	CA	200-3100	\$28.34



Sample Cups with Screw Cap

Ideal for taking samples for chemical analysis. These 4-1/2 oz polypropylene specimen cups feature high density polyethylene screw caps. The leak-proof, positive seal prevents opening during shipment. Cups are not only odor-proof and shatterproof, but the airtight seal maintains the integrity of moisture samples. Frosted areas for a convenient writing surface. The wide base provides stability. Available in sterile and non-sterile models. Graduated in ounces and milliliters for quick reference.

Description	Pkg	Unit	Stock#	PRICE
Sterile cup	100/ca	CA	634-3650	\$64.99
Non-sterile cup	500/ca	CA	634-3655	\$109.33



Nasco Milk Sample Cooler



Nasco
Dedicated to Delivery

Specially designed for temperature control of milk samples going from farm to lab via truck. Walls of durable ABS plastic with polyfoam insulation. Separate ice storage compartment for adding ice as needed. Recessed carrying grips. Holds 9-1/4" x 6-3/4" rack or Whirl-Pak racks (#486-3065, #486-3080, and #486-3060). Light green. 16-1/2"L x 14"W x 9-1/4"D.

Description	Unit	Stock#	PRICE
Cooler	EA	486-3059	\$190.50
Cooler with Rails for Milk Trucks	EA	727-1022	\$265.23

Call Customer Service at 800-826-8302

SAMPLING CONTAINERS & VIAL SHIPPERS

Magic Touch 2™ Mini Ice Pan



Superior insulating properties combined with high chemical resistance makes the Magic Touch 2 laboratory ice pan the perfect container for ice point calibration for your thermometers or keeping samples cold. It is also compatible for ultra-low temperature materials such as dry ice, ice-salt slurries, dry ice solvent slurries, or liquid nitrogen. Lightly textured, non-slip finish, and raised edge provide secure transport and a stylish look.

- Non-sweating, superior insulation properties.
- Impervious to moisture and odors.
- Withstands temperature range of: -196° to 100°C.

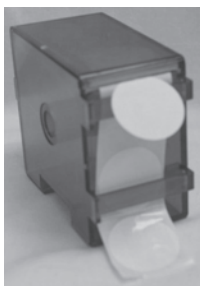
Color	Capacity	Size	Unit	Stock#	PRICE
Blue	1 Liter	7"x7"x5"	EA	010-3680	\$56.47

Capitol Vial Sample Vial Shipper

Designed to keep samples cold for overnight delivery. Shipper comes equipped to handle sixty 2-oz vials, but can accept inserts to handle other sizes. Spaces are molded into the unit for two large reusable ice packs (included with each shipper). A double-waxed, heavy, corrugated box protects the styrofoam case during shipment. This rugged shipper will withstand normal handling providing a long life of useful service. 19"L x 12-1/2"W x 8"H. Please note: sample temperatures below 45°F (7.2°C) will not be maintained for 24 hours in warm climates. Suitability for specific applications must be confirmed by user.

Description	Vial size	Capacity	Unit	Stock#	PRICE
Vial shipper	2-oz	60	EA	170-3050	\$29.36
Replacement Parts/Accessories					
Tray insert	2-oz	60	EA	170-3052	\$18.06
Corrugated box			EA	170-3051	\$11.47
Ice pack, 24/ca	6" x 9"		CA	452-6524	\$12.02

Capitol Vial Bullseye Labels and Dispenser



Dispenses sample vial labels easily and efficiently. Sturdy, economical plastic dispenser mounts on walls. Die-cut labels are self-sticking and without webbing.

Description	Unit	Stock#	PRICE
Label dispenser	EA	170-3400	\$3.64
Self-stick labels, 3500/roll	RL	170-3401	\$20.77

Prices subject to change.

SAMPLE COLLECTION TOOLS

Sampling Straws

Single use sterile plastic pipets to take representative samples of liquids for microbiological evaluation. Cylindrical dispenser maintains sterility, dispensing straw-style pipets one at a time as cover is rotated. Pipet diameter: 1/4" OD. 250/box.

Length	Unit	Stock#	PRICE
18"	BX	155-3843	\$77.10
24"	BX	155-3844	\$78.80

Hygiena QD-Loops™



Reduce labor and time preparing samples with these disposable, ready-to-use sampling and dilution devices. Each has 1 mL of Butterfield's diluent. The tips are designed for collecting required amount of liquid sample for given dilution. Use combinations of the devices in order to perform any dilution required.

Dilution Factor	Pkg	Unit	Stock#	PRICE
Boxes, 250/bx				
1:10	250/bx	BX	332-3000	\$218.25
1:100	250/bx	BX	332-3104	\$218.25
1:1000	250/bx	BX	332-3105	\$218.25
Packs, 25/pk				
1:10	25/pk	PK	332-3175	\$29.81
1:100	25/pk	PK	332-3125	\$29.81
1:1000	25/pk	PK	332-3150	\$29.81

Puritan® Applicator Sticks

These inexpensive, disposable, wooden applicator sticks (also known as tongue depressors) are excellent for collecting, transferring, stirring, and countless other tasks around the lab. All sticks 3/4" x 6".

Description	Pkg	Unit	Stock#	PRICE
Non-sterile	500/pk	PK	155-3015	\$25.17
Sterile	100/bx	BX	302-3050	\$14.45



Sterileware® Sample Scoops

Choose from a variety of styles to gather small amounts of sample material. All scoops are sterile and individually packaged in a polyethylene bag. Scoops with cover feature a snap-on lid which allows the use of the covered scoop as a container for transport. Scoop 'N Bag features both a sterile scoop and a sterile collection bag.



Mfg Part #	Color	Size	Pkg	Unit	Stock#	PRICE
Scoop						
H36902-0000	White	2-oz (60 mL)	100/ca	CA	010-3775	\$102.60
H36904-0000	White	4-oz (125 mL)	100/ca	CA	010-3776	\$131.85
H36906-0000	White	8-oz (250 mL)	100/ca	CA	010-3777	\$176.27
H36902-2002	Red	2-oz (60 mL)	100/ca	CA	010-3979	\$146.17
H36904-2004	Red	4-oz (125 mL)	100/ca	CA	010-3976	\$143.14
H36906-2008	Red	8-oz (250 mL)	100/ca	CA	010-3972	\$217.11
Scoop With Cover						
H36922-0000	White	2-oz (60 mL)	100/ca	CA	010-3778	\$190.26
H36924-0000	White	4-oz (125 mL)	100/ca	CA	010-3779	\$219.73
Scoop 'N Bag						
H36910-0000	White	2-oz scoop/18-oz bag	50/ca	CA	010-3770	\$80.10

Call Customer Service at 800-826-8302

SAMPLE COLLECTION TOOLS

Black Sterileware® Sense-able Scoops®

X-Ray & Metal Detectable



Complement your extraneous material control program with these sterile, individually wrapped, single-use polystyrene scoops which are metal and x-ray detectable. The entire scoop is metal detectable. The longer handle keeps hands away from your sample. Black. 100/case.



Mfg Part #	Capacity	Unit	Stock#	PRICE
H36902-005	2-oz/60 mL	CA	010-3902	\$121.47
H36904-005	4-oz/125 mL	CA	010-3731	\$173.07
H36906-005	8-oz/250 mL	CA	010-3906	\$382.74

Blue Sterileware® Sense-able Scoops®

X-Ray & Metal Detectable



Metal and x-ray detectable plastic scoops to help prevent product contamination. The blue color conforms to industry recognized standards for metal detectable materials and provides contrasting color to most sampled products. They are gamma sterilized and made from FDA grade materials. Individually wrapped. Contact us for your free sample today. 100/case.



Mfg Part#	Size	Unit	Stock#	PRICE
H36902-0006	2-oz (60 mL)	CA	010-3600	\$121.47
H36904-0006	4-oz (125 mL)	CA	010-3604	\$173.07
H36906-0006	8-oz (250 mL)	CA	010-3608	\$382.74

WHIRL-PAK® Scoop Bag



For fast, convenient sampling of a variety of materials, the Whirl-Pak Scoop Bag will save time and money. The sterile scoop is already contained inside the bag, eliminating the need to carry two items to collect the sample and minimizing contamination. The 2-oz (60 cc) polypropylene scoop measures 7" (18.5 cm) long, and comes contained in an 18-oz Whirl-Pak bag. 50/box.

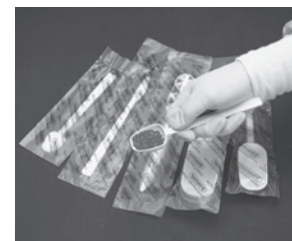


Mfg Part #	Unit	Stock#	PRICE
B01350WA	BX	486-3990	\$91.94

Sterileware® Sterile Sample Spoons



Disposable sample spoons are pre-sterilized. Manufactured of high-impact polystyrene and sealed in individual plastic bags. Extra long handles keep hands away from sample. Ideal for small amounts of dry or slurry samples. 200/case.

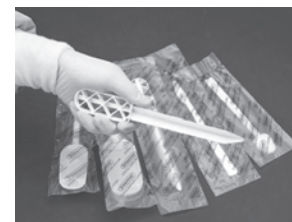


Mfg Part #	Size	Unit	Stock#	PRICE
H36940-0000	¼ tsp (1.23 mL)	CA	010-3780	\$177.97
H36942-0000	½ tsp (2.46 mL)	CA	155-3781	\$184.54
H36944-0000	1 tsp (4.93 mL)	CA	155-3782	\$165.82
H36946-0000	1 tbsp (14.79 mL)	CA	155-3783	\$163.13

Sterileware® Sampling Spatula



The perfect tool for sterile sampling of hardened ice cream as well as powdered or granulated material. Extra long 6" (15 cm) spatula blade holds twice as much as conventional reusable spatulas. A permanently attached handle means you never have to touch the blade. Polystyrene. Individually packaged. 100/case.

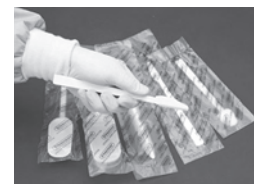


Mfg Part #	Length	Unit	Stock#	PRICE
H36930-0000	9"	CA	010-3784	\$108.76

Sterileware® Sampling Knife



Ideal for cutting small samples from large pieces. Polystyrene knife has serrated blade. Individually packaged and sterilized. 200/case.



Mfg Part #	Length	Unit	Stock#	PRICE
H36965-0000	7"	CA	010-3781	\$272.02

Microspatula

Double-ended stainless steel spatula with flat ends. Use for scooping powders, stirring solutions and various lab uses.



Length	Unit	Stock#	PRICE
8"	EA	155-3750	\$5.24

Prices subject to change.

SAMPLE COLLECTION TOOLS

Microspatula/Spoon



Spoon on one end, spatula on the other. Stainless steel.

Length	Unit	Stock#	PRICE
9"	EA	155-3755	\$9.35

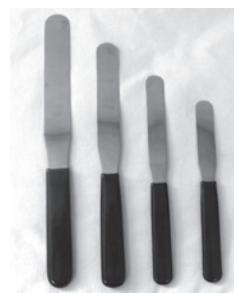
Lab Scoop

Small stainless steel lab scoop with curved sides and pointed tip.



Length	Unit	Stock#	PRICE
7"	EA	155-3690	\$4.99

Spatulas



Spatulas in an assortment of handy sizes. Stainless steel blade with a tough PVC handle. Resistant to boiling water, acids and most solvents.

Blade Length	Unit	Stock#	PRICE
3"	EA	220-3327	\$16.26
4"	EA	155-3756	\$17.37
5"	EA	220-3312	\$19.82
6"	EA	220-3328	\$19.31

LIQUID

1 mL = 1000 µL (microliters)
 500 mL = 16.907 fl. oz. (fluid ounces)
 1 L = 1,000 mL, 1.057 quart, 0.264 gal.
 2.3 L = 2.430 quarts
 2.5 L = 2.642 quarts
 3.8 L = 4.015 quarts
 4 L = 4.227 quarts
 20 L = 5.283 gallons
 1 fl. oz. = 29.573 mL
 1 pint = 473 mL, 0.47 L
 1 quart = 32 fl. oz., 946 mL, 0.946 L
 1 gallon = 128 fl. oz., 3.785 L

VOLUME

1 cu. in. = 16.39 cc
 1 cc = 0.061 cu. in.
 1 cu. ft. = 0.03 cu. meter
 1 cu. yd. = 0.76 cu. meter

WEIGHT

1 g = 0.035 oz.
 100 g = 3.527 oz.
 500 g = 17.637 oz., 1.102 lb
 1 kg = 2.205 lb.
 3 kg = 6.614 lb.
 10 kg = 22.046 lb.
 1 oz. = 28.350 g
 1 lb. = 16 oz., 454 g
 5 lb. = 2.268 kg

LENGTH

1 mm = 1,000 microns, .03937 in.
 1 cm = 10 mm, 0.3937 in.
 1 mil = 0.001 in., 0.0254 mm
 1 in. = 2.540 cm, 25.4 mm
 1 ft. = 0.3048 meter
 1 meter = 39.37 in., 3.281 ft.

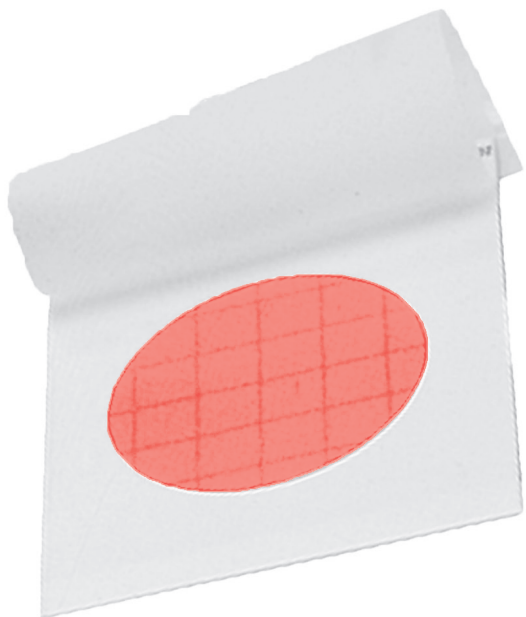
TEMPERATURE

Celsius = Fahrenheit - 32 x 0.556
 Fahrenheit = Celsius x 1.8 + 32



Simply Prompt. Precise. Productive.

**This red dot changed microbiology.
Imagine what it can do for your lab.**



In today's environment of heightened focus on food safety and increasingly stringent quality requirements, you want your lab to provide tests that are fast, reliable and consistently accurate. For more than 30 years, food safety professionals around the world have put their trust in 3M™ Petrifilm™ Plates. That's because these ingenious "little red dots" have streamlined, standardized and simplified the process of microbial quantitative indicator testing, improving productivity and helping ensure the highest level of product quality.

Simply brilliant.



3M™ PETRIFILM™ PLATES

3M™ Petrifilm™ Plates

Maximize productivity by increasing your laboratory efficiency with 3M Petrifilm Plates. These sample-ready plates streamline your testing process, reducing the labor hours needed to perform microbial testing. Fast. Efficient. And there's a full line of Petrifilm Plates so you can monitor a variety of conditions for quality. AOAC approved.

- Aerobic Count Plates check general bacterial levels.
- Rapid Aerobic Count Plates are an accurate and easy test that detects aerobic bacteria counts in just 24 hours for most food matrices and environmental monitoring.
- Coliform Count Plates test for coliforms, a traditional step in controlling overall quality.
- Coliform High Sensitivity Plates will accommodate 5 mL samples for better detection of organisms.
- Rapid Coliform Count Plates detect high-level coliform contamination beginning at just 4 hours.
- E.coli/Coliform Count Plates identify both E.coli and other coliforms. With this one easy test, you'll have confirmed results in 24 to 48 hours.
- Enterobacteriaceae Count Plates are used to detect post-processing contamination.
- Yeast and Mold Count Plates determine air and food borne yeasts and molds which can invade dry ingredients, processing equipment and storage facilities.
- Rapid Yeast and Mold Count Plates feature indicator technology that makes colonies easier to interpret, these completely sample-ready plates provide results in just 48 hours.
- Staph Express Count Plates are the fastest confirmed S. aureus test available with results in as little as 22 hours.
- Environmental Listeria Plates are for the enumeration and/or detection of Listeria in environmental samples.


3M

Mfg Part #	Pkg	Unit	Stock#	PRICE	Mfg Part #	Pkg	Unit	Stock#	PRICE
Aerobic Count Plates					Rapid Yeast & Mold Count Plates				
6400	100/bx	BX	460-3400	\$77.53	6475	50/bx	BX	460-3475	\$99.45
6406	1000/ca	CA	460-3406	\$654.94	6477	500/ca	CA	460-3477	\$790.50
Rapid Aerobic Count Plates					Rapid Yeast & Mold Spreader				
6478	50/bx	BX	460-3468	\$70.00	6425	2/bx	BX	460-3425	\$23.93
6479	500/ca	CA	460-3479	\$630.00	Staph Express Count Plates				
Coliform Count Plates					Count Plates				
6410	50/bx	BX	460-3410	\$43.13	6490	50/bx	BX	460-3649	\$98.28
6416	1000/ca	CA	460-3416	\$720.02	6491	500/ca	CA	460-3641	\$833.59
Coliform High Sensitivity Count Plates					Staph Express Disks				
Count Plates					6492	20/bx	BX	460-3642	\$27.04
6405	50/bx	BX	460-3405	\$68.79	6493	100/bx	BX	4603643	\$116.97
6415	500/ca	CA	460-3415	\$579.19	Staph Spreader				
High Sensitivity Count Plate Spreader					6425	2/bx	BX	460-3425	\$23.93
6481	2/bx	BX	460-3481	\$23.93	Environmental Listeria Plates				
Rapid Coliform Count Plates					Count Plates				
6402	50/bx	BX	460-3402	\$89.54	6447	50/bx	BX	460-3447	\$327.60
6412	500/ca	CA	460-3412	\$749.55	6448	200/ca	CA	460-3448	\$1023.31
E.coli/Coliform Count Plates					Buffered Peptone Repair Broth, 200 mL				
6404	50/bx	BX	460-3404	\$85.17	6449	1/ea	BX	483-3449	\$4.98
6414	500/ca	CA	460-3414	\$709.80	6449	20/ca	CA	460-3449	\$58.72
Enterobacteriaceae (EB) Count Plates					Environmental Listeria Plate Spreader				
6420	50/bx	BX	460-3420	\$49.14	5498	2/bx	BX	460-3498	\$23.93
6421	1000/ca	CA	460-3421	\$829.05					
Yeast and Mold Count Plates									
6407	100/bx	BX	460-3407	\$95.00					
6417	1000/ca	CA	460-3417	\$794.71					

Call Customer Service at 800-826-8302

3M™ PETRIFILM™ PLATES**Rack for 3M™ Petrifilm™ Plates****3M**

Increase efficiency by fitting more 3M Petrifilm plates in your incubator. White epoxy finished with four durable wire racks. Fits in most incubators. Holds approximately 80 Petrifilm plates (8 x 9 x 10 cm).

Dimensions	Unit	Stock#	PRICE
3.15" x 3.5" x 3.93"	EA	446-3350	\$38.02

3M™ Petrifilm™ Salmonella Express System

Used for the rapid qualitative detection and biochemical confirmation of Salmonella in enriched foods and food process environmental samples. The 3M Petrifilm Salmonella Express (SALX) System consists of an unique medium for the recovery and growth of Salmonella species that provides presumptive results and the Salmonella Express disks provide a biochemical confirmation. This system utilizes 3M Food Safety's Petrifilm technology, an industry standard, and delivers an all-in-one test and biochemical confirmation method in as little as 44 hours. AOAC-RI Certification number 061301.

**3M****3M™ Petrifilm™ Aqua Plates**

Sample-ready plates that replace conventional agars, petri dishes, media pads, and disposable filter funnels used in the microbial testing of water. Each plate contains a water-soluble gelling agent, nutrients and indicators in a dry, shelf-stable format. We offer four 3M Petrifilm Aqua Plates to cover your unique testing needs: Heterotrophic Count, Coliform Count, Enterobacteriaceae Count, and Yeast and Mold Count. 3M Petrifilm Aqua Plates are ideal for testing bottled water. Procedure requires a membrane filtration system.

**3M**

Mfg Part #	Pkg	Unit	Stock#	PRICE
Heterotrophic				
6450	100/bx	BX	460-3250	\$87.27
6452	1000/ca	CA	460-3252	\$720.43
Coliform				
6457	50/bx	BX	460-3257	\$43.13
6458	1000/ca	CA	460-3258	\$657.70
Yeast & Mold				
6408	100/bx	BX	460-3208	\$95.00
6413	1000/ca	CA	460-3211	\$796.87
Enterobacteriaceae				
6418	50/bx	BX	460-3218	\$49.14
6428	1000/ca	CA	460-3217	\$696.76

Mfg Part #	Pkg	Unit	Stock#	PRICE
Salmonella Express Plates				
Count Plates				
6536	50/box	BX	460-3536	\$257.55
6537	200/ca	CA	460-3537	\$615.00
Confirmation Disks				
6538	5/box	BX	460-3538	\$100.00
6539	25/ca	CA	460-3539	\$410.00
Enrichment Base				
SEB500	500 gram bottle	BO	351-3505	\$56.66
SEB025	2.5 kg bottle	BO	351-3525	\$241.07
Enrichment Supplement				
SESUP001	1 gram vial	VI	351-3511	\$61.81
Spreader				
6425	2/box	BX	460-3425	\$23.93

**For additional 3M™ Food Safety offerings,
please call 800-826-8302.**

3M™ MDS & TECRA PATHOGEN TESTING**3M™ Molecular Detection System**

Powered by an innovative combination of technologies, the 3M Molecular Detection System provides a pathogen detection solution that is fast, accurate, easy-to-use, and affordable. It uses isothermal DNA amplification and bioluminescence detection technologies to deliver a simple, rapid, specific, and rugged pathogen detection method. Obtain results in as little as 24 hours. The following kits (sold separately) are available for pathogen detection in enriched food and environmental samples; *Listeria monocytogenes*, *Listeria*, *Salmonella*, and *E.coli* 0157 (including H7).

**3M**

The robust MDS instrumentation to run your assays:

- Minimal maintenance required.
- No moving parts or cooling fans.
- No expensive thermocycler, fluorescence detectors or filters.
- Removable heater for easy cleaning and decontamination.
- Portable without the need for recalibration.
- Automatic diagnostics at start-up.

The powerful software:

- Multitask within application while runs are in progress.
- Operate up to four instruments simultaneously.
- Color-coded icons to match the color-coded reagent tubes.
- Results automatically interpreted and displayed in real time using simple color-coded symbols.
- System security with password protection and audit logs.
- LIMS compatibility.

3M™ Molecular Detection Instrument System

Instrument comes with a pluggable heater, software, power cord, USB cable, and a basic accessory kit. (1/each)
The basic accessory kit includes a chill block insert, chill block tray, speed loader tray, cap/decap tool - lysis, cap/decap tool - reagent, and empty lysis and reagent trays.

Mfg Part #	Unit	Stock#	PRICE
MDS100	EA	351-3197	\$16,988.30

**3M™ Molecular Detection
Cap/Decap Tool - Reagent****3M**

Accommodate the 3M reagent and lysis tubes for easy capping and decapping.

Mfg Part #	Unit	Stock#	PRICE
MDSCDR	EA	351-3206	\$499.65

**3M™ Molecular Detection
Speed Loader Tray****3M**

Designed for loading and unloading reagent tubes.

Mfg Part #	Unit	Stock#	PRICE
MDSSLT	EA	351-3201	\$252.40

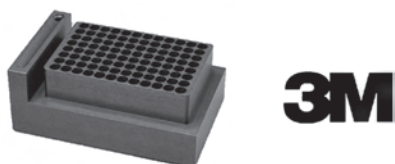
More MDS testing products on the next page...

Call Customer Service at 800-826-8302

3M™ MDS PATHOGEN TESTING**3M™ Molecular Detection Chill Block**

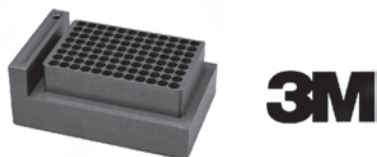
For use with the 3M Molecular Detection System Chill Block Insert; for easy handling.

Mfg Part #	Unit	Stock#	PRICE
MDSCBT	EA	351-3204	\$231.80

3M™ Molecular Detection Chill Block Insert

Inserts accommodate 3M reagent tubes allowing for close contact of the tubes to the block wall, maintaining heat retention.

Mfg Part #	Unit	Stock#	PRICE
MDSCBIN	EA	351-3203	\$438.87

3M™ Molecular Detection Heat Block Insert

Inserts accommodate 3M reagent tubes allowing for close contact of the tubes to the block wall, maintaining heat retention.

Mfg Part #	Unit	Stock#	PRICE
MDSHBIN	EA	351-3200	\$438.87

3M™ Molecular Detection Assay 2 Salmonella

Kit contains 96 tests and is used with the 3M Molecular Detection System for the rapid and specific detection of Salmonella in enriched food, feed and food processing environmental samples. Includes pre-dispensed lysis solution tubes, color-coded reagent tubes, extra reagent tube caps, 1 negative control vial and 8 reagent control tubes. Detection within 18-30 hours. Additional item needed: Peptone Water ISO #351-3213 (sold separately).



Mfg Part #	Qty	Unit	Stock#	PRICE
MDA2S96	96 Tests	KT	351-3195	\$890.09

3M™ Molecular Detection Assay 2-Listeria

Kit contains 96 tests and is used with the 3M Molecular Detection System for the rapid and specific detection of Listeria in enriched environmental samples. Includes pre-dispensed lysis solution tubes, color coded reagent tubes, extra reagent tube caps, 1 negative control vial and 8 reagent control tubes (1/each). Detection within 24-32 hours. Additional items needed: Demi-Fraser Broth #351-3217 and Fraser Broth Supplement #351-3222 (both sold separately).



Mfg Part #	Qty	Unit	Stock#	PRICE
MDA2LIS96	96 Tests	KT	351-3198	\$988.99

3M™ Molecular Detection Assay 2 - Listeria monocytogenes

Kit contains 96 tests and is used with the 3M Molecular Detection System for the rapid and specific detection of Listeria monocytogenes in enriched food and environmental samples. Includes pre-dispensed lysis tubes, color coded reagent tubes, extra reagent tube caps, 1 negative control vial and 8 reagent control tubes. (1/each). Detection within 24-32 hours. *Raw dairy matrices require 40 hours. Additional items needed: Demi-Fraser Broth #351-3217 and Fraser Broth Supplement #351-3222 (both sold separately).



Mfg Part #	Qty	Unit	Stock#	PRICE
MDA2LM096	96 Tests	KT	351-3199	\$988.99

3M™ Molecular Detection Assay 2 E.coli 0157 (Including H7)

Kit contains 96 tests and is used with the 3M Molecular Detection System for the rapid and specific detection of E.coli 0157 (including H7) in enriched food samples. Includes pre-dispensed lysis solution tubes, color-coded reagent tubes, extra reagent tube caps, 1 negative control vial and 8 reagent control tubes. (1/each). Detection within 24-48 hours. Additional items needed: Peptone Water ISO #351-3213 (sold separately).



Mfg Part #	Qty	Unit	Stock#	PRICE
MDA2ECO96	96 Tests	KT	351-3191	\$890.09

Additional equipment and supplies will be needed:

Call 1-800-826-8302 or email us at sales@nelsonjameson.com for a list of supplies.

3M™ TECRA TEST KITS

3M™ Tecra™ Pathogen Tests



Save time with these tests that detect pathogens and toxins in raw materials, finished product or environmental surfaces in production facilities. A broad product offering provides increased productivity and reliability. 3M Tecra Tests are supported by international validation.

3M™ Tecra™ Campylobacter Visual Immunoassays (CAMVIA)

A rapid ELISA that screens for Campylobacter spp. in food samples. One-step aerobic enrichment, at a single temperature, using specifically formulated blood-free medium, 3M Campylobacter Enrichment broth for Tecra kits. Provides results within 42 hours.

Qty	Unit	Stock#	PRICE
48 tests	KT	351-3014	\$337.43
96 tests	KT	351-3020	\$596.87

3M™ Tecra™ Listeria Visual Immunoassays (LISVIA)

Rapid ELISA kit that screens for Listeria spp. in food and environmental samples. The kit detects Listeria spp. and provides results in only 48 hours. Specially formulated 3M Listeria Visual Immunoassay Media provide improved enrichment protocols for all foods. Enrichments follow USDA/FDA standard protocols. Can be used manually or semi-automated.

Qty	Unit	Stock#	PRICE
48 tests	KT	351-3016	\$386.77
96 tests	KT	351-3022	\$603.76

3M™ Tecra™ Staph aureus Visual Immunoassays (STAVIA)

Rapid ELISA that screens for S. aureus in food samples. Provides results in less than 26 hours. Single enrichment broth for S.aureus.

Qty	Unit	Stock#	PRICE
96 tests	KT	351-3018	\$416.48

3M™ Tecra™ Bacillus Diarrhoeal Enterotoxin Visual Immunoassays (BDEVIA)

Rapid ELISA for screening of Bacillus Diarrhoeal Enterotoxin, 48 well kit. Detects pre-formed BDE in only 4 hours. Can be used manually, semi-automated for large-scale testing.

Qty	Unit	Stock#	PRICE
48 tests	KT	351-3013	\$467.94

3M™ Tecra™ E.coli O157 Visual Immunoassays (ECOVIA)

Rapid ELISA kit, for the detection of E.coli O157 in food samples. Can be used to comply with the USDA FSIS E.coli O157:H7 test directive. Provides test results in 20-26 hours. Safer than cultural methods due to testing of heat-killed samples. A full 18-24 hour enrichment step helps to ensure that very low levels of sub-lethally injured cells are recovered and detected successfully.

Qty	Unit	Stock#	PRICE
48 tests	KT	351-3015	\$473.78
96 tests	KT	351-3021	\$693.43

Call Customer Service at 800-826-8302

3M™ TECRA TEST KITS**3M™ Tecra™ Pseudomonas Visual Immunoassays (PSDVIA)**

A rapid ELISA test that screens for Pseudomonas spp. in food and cosmetic products within 48 hours. Allows a one-step enrichment for food samples using the specially formulated medium (3M Pseudomonas Visual Immunoassay Broth Base and Supplement). Provides time savings, operation efficiencies and the ability to release product sooner. Test performance is equivalent to standard culture methods.

Qty	Unit	Stock#	PRICE
96 tests	KT	351-3019	\$428.16

3M™ Tecra™ Salmonella Visual Immunoassays (SALVIA)

A rapid ELISA test that screens for Salmonella spp. in food samples. Results can be obtained within 42 hours allowing orders to be filled sooner. All reagents needed to run the test are supplied with the kit, there is the option to use an AOAC Official Method of Analysis [OMA 998.09] approved single selective enrichment broth protocol that can provide additional shortened time-to-results benefits.

Qty	Unit	Stock#	PRICE
48 tests	KT	351-3011	\$239.80
96 tests	KT	351-3012	\$416.48

3M™ Tecra™ Staph Enterotoxins Visual Immunoassays (SETVIA)

A rapid ELISA test that screens for Staphylococcal Enterotoxins A-E. A fast, reliable method to detect Staphylococcal Enterotoxins A, B, C1, C2, C3, D, and E in food samples. Detect pre-formed enterotoxin in samples within 4 hours. Targets toxins even in the absence of live organisms. Save time and reduce labor cost. Release product sooner. Can be used manually or automated for large-scale testing. After screening with 3M Tecra SETVIA, specifically identify the toxins using 3M Tecra Staph Enterotoxin ID Visual Immunoassays SIDVIA.

Qty	Unit	Stock#	PRICE
3M Tecra SETVIA			
48 tests	KT	351-3023	\$467.94
96 tests	KT	351-3024	\$907.24
3M Tecra SIDVIA			
72 tests	KT	351-3017	\$467.94

Additional equipment and supplies are needed to complete your Tecra testing procedure.

Please call 800-826-8302 or email us at sales@nelsonjameson.com for a full list of supplies.

EASY GEL®, CULTURE MEDIA, PLATES & ACCESSORIES**Easygel®**

Streamline your testing process and save time by using sample-ready Easygel tests. Test anywhere or anytime - without the need for expensive equipment like an autoclave, balance, or water bath. These tests are pectin-based media that gel at room temperature when poured into the pretreated dish. The test method is simple to perform and reading the plates is very similar to conventional agar methods. By using Easygel tests you can reduce labor hours needed to perform microbial testing. The result: an instant, hassle-free plate.

- No mixing. Saves time because it's ready to use.
- No waste. Pour only what you need.
- Use conventional incubating and counting procedures.
- Lower equipment costs.
- Available in a variety of media.

Pretreated dishes are included with media. 50 media bottles and dishes/kit.

Description	Unit	Stock#	PRICE
Coliform	KT	434-3006	\$49.08
Total Count (Aerobic)	KT	434-3007	\$48.21
Total Count (Aerobic) w/Antibiotics for Y & M	KT	434-3201	\$48.21
Orange Serum for Acidophilic Microbes	KT	434-3008	\$56.02
Potato Dextrose w/Antibiotics for Y & M	KT	434-3009	\$52.19
Potato Dextrose for Y & M	KT	434-3010	\$49.06
MRS for Lactics	KT	434-3011	\$62.52
Total Count w/T-Salt Indicator	KT	434-3014	\$48.21

Coliscan Water Testing Easygel® Kit

Tests for E.coli and other coliforms in water. Coliscan media has a patented combination of color producing chemicals and nutrients that indicate coliforms and E.coli by producing different colors making identification and isolation easy. When testing a water sample it is added to the medium, which is poured into the prepared petri-dishes and incubated for 24-48 hours. E.coli will produce purple-blue colonies, while the coliform bacteria will grow as pink-magenta colonies. 50 tests/kit.

Unit	Stock#	PRICE
KT	434-3017	\$90.81

Additional water testing kits can be found on page 200.

Call Customer Service at 800-826-8302

CULTURE MEDIA, PLATES & ACCESSORIES

BBL™ Prepared Biological Media



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
212357	Egg Yolk Tellurite Solution	100 mL/btl, 6 btl/pk	PK	614-3357	\$175.41
299094	Standard Methods Agar	200 mL/btl, 10 btl/bx	BX	614-3341	\$133.92

Micro Diagnostics™ Prepared Culture Media

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
Plated Media: Contact Plates					
C6045	TSA w/Lecithin & Polysorbate 80	10/pk	PK	443-3045	\$24.27
Plated Media: Mono Plates, 100x15mm					
M1038	Potato Dextrose Agar, Deep Fill	10/pk	PK	443-7001	\$11.47
M1006	Tryptic Soy Agar w/5% Sheep Blood	10/pk	PK	443-3006	\$18.24
M1123	Tryptic Soy Agar w/washed Bovine Cells w/0.1% Esculin	10/pk	PK	443-7005	\$34.60
Tubed Media: 16x125mm					
K61	Lauryl Sulfate Tryptose Broth w/Durham Tube	10 mL/tb, 20 tb/bx	BX	443-3096	\$30.06

BBL™ Dehydrated Culture Media

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
212304	Agar, Grade A	500 gr	JR	614-3334	\$197.47
212303	Beef Extract Powder	500 gr	JR	614-3303	\$155.72
211046	Blood Agar Base (Trypticase Soy Agar)	5 lb	PA	614-3046	\$309.70
211059	Brain Heart Infusion	500 gr	JR	614-3059	\$102.52
211065	Brain Heart Infusion Agar	500 gr	JR	614-3065	\$145.01
292627	EE Broth Mossel	90mL/vl, 10vl/pk	PK	614-3627	\$149.08
211260	Fluid Thioglycollate Medium	500 gr	JR	614-3160	\$56.78
211870	Gelysate Peptone	500 gr	JR	614-3870	\$85.25
211279	GN Broth	500 gr	JR	614-3279	\$102.98
211338	Lauryl Sulfate Broth	500 gr	JR	614-3150	\$79.13
211339	Lauryl Sulfate Broth	5 lb	PA	614-3339	\$419.68
298076	Lauryl Sulfate Broth w/MUG	500 gr	JR	614-3076	\$442.18
211327	LBS Agar	500 gr	JR	614-3980	\$119.38
211331	LBS Broth	500 gr	JR	614-3018	\$231.08
211221	Levine Fosine Methylene Blue Agar	500 gr	JR	614-3221	\$81.97
211363	Lysine Iron Agar	500 gr	JR	614-3363	\$167.80
211387	MacConkey Agar	500 gr	JR	614-3387	\$79.44
211407	Mannitol Salt Agar	500 gr	JR	614-3407	\$52.00
211436	Motility Test Medium	500 gr	JR	614-3436	\$135.04
211383	MR-VP Broth	500 gr	JR	614-3383	\$81.97
211443	Mueller Hinton Broth	500 gr	JR	614-3443	\$103.44
211445	Mycophil Agar	500 gr	JR	614-3445	\$275.83
211486	Orange Serum Agar	500 gr	JR	614-3487	\$134.12
211539	Phenylethyl Alcohol Agar	500 gr	JR	614-3539	\$102.52
211906	Phytone Peptone	500 gr	JR	614-3906	\$86.69
211558	Purple Broth Base	500 gr	JR	614-3558	\$146.12
211620	Simmons Citrate Agar	500 gr	JR	614-3620	\$108.50
211638	Standard Methods Agar (Tryptone Glucose Yeast Agar)	500 gr	JR	614-3338	\$91.02
211641	Standard Methods Agar (Tryptone Glucose Yeast Agar)	5 lb	PA	614-3641	\$446.24
211921	Trypticase Peptone	454 gr	JR	614-3921	\$93.29
211922	Trypticase Peptone	5 lb	PA	614-3922	\$430.07
212305	Trypticase Soy Agar Modified (TSA II)	500 gr	JR	614-3305	\$68.69
211043	Trypticase Soy Agar (Soybean-Casein Digest USP)	500 gr	JR	614-3043	\$63.48
211768	Trypticase Soy Broth (Soybean Casein Digest, USP)	500 gr	JR	614-3768	\$39.96
4321261	Trypticase Soy Agar w/5% Sheep Blood (TSA II)	100 plates	BX	614-3261	\$120.89
211929	Yeast Extract	454 gr	JR	614-3929	\$116.21

Prices subject to change.

DEHYDRATED CULTURE MEDIA & VIALS



Difco® Dehydrated Culture Media

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE	Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
214530	Agar, Granulated	500 gr	JR	181-3111	\$113.25	274920	M Endo Broth MF	100 gr	JR	181-3469	\$61.11
265430	APT Agar	500 gr	JR	181-3424	\$100.36	274930	M Endo Broth MF	500 gr	JR	181-3470	\$122.06
265510	APT Broth	500 gr	JR	181-3425	\$81.66	274620	M Enterococcus Agar	500 gr	JR	181-3216	\$172.59
232681	Antimicrobial Vial P	10 mL/vl, 6 vl/bx	BX	180-3818	\$105.35	212123	MacConkey Agar	500 gr	JR	181-3075	\$70.64
214050	Bacto Agar	100 gr	JR	181-3115	\$84.48	239520	Malonate Broth	500 gr	JR	181-3520	\$205.08
214010	Bacto Agar	1 lb	JR	180-3114	\$174.22	224200	Malt Agar	500 gr	JR	181-3046	\$113.84
273300	Bismuth Sulfite Agar	500 gr	JR	181-3073	\$118.20	222530	Modified Oxford Agar	500 gr	JR	181-3530	\$141.45
276840	Baird-Parker Agar	500 gr	JR	181-3483	\$217.99	211763	Modified Oxford Antimicrobial Supplement	6x10 mL vials	BX	181-3995	\$148.70
237500	Brain Heart Infusion	500 gr	JR	181-3051	\$97.92	275730	Mueller Hinton Broth	500 gr	JR	181-3478	\$100.45
228530	Brilliant Green Agar	500 gr	JR	181-3215	\$98.80	225250	Mueller Hinton Medium	500 gr	JR	181-3173	\$77.78
273000	Brilliant Green Bile, 2%	100 gr	JR	181-3030	\$64.83	281010	MYP Agar	500 gr	JR	180-7006	\$121.42
274000	Brilliant Green Bile, 2%	500 gr	JR	181-3029	\$95.82	236210	Neutralizing Buffer	100 gr	JR	180-3270	\$38.75
218105	Buffered Peptone Water	500 gr	JR	181-3002	\$81.37	213000	Nutrient Agar	500 gr	JR	181-3001	\$115.34
270310	Cooke Rose Bengal Agar	500 gr	JR	181-3450	\$146.05	233000	Nutrient Broth	100 gr	JR	181-3014	\$45.45
281910	D/E Neutralizing Broth	500 gr	JR	181-3500	\$88.24	234000	Nutrient Broth	500 gr	JR	181-3013	\$103.12
227310	Desoxycholate Agar	500 gr	JR	181-3200	\$79.44	211677	Peptone	500 gr	JR	181-3677	\$95.29
215530	Dextrose	500 gr	JR	180-3119	\$32.05	218071	Peptone Water	500 gr	JR	180-3687	\$69.04
215510	Dextrose	2 kg	PA	181-3120	\$87.18	247940	Plate Count Agar	500 gr	JR	181-3338	\$80.22
280100	Dextrose Tryptone Agar	500 gr	JR	180-3080	\$101.10	247910	Plate Count Agar	2 kg	PA	181-3340	\$300.99
231430	EC Medium	500 gr	JR	181-3240	\$114.16	213400	Potato Dextrose Agar	500 gr	JR	181-3038	\$97.46
212183	Elliker Broth	500 gr	JR	181-3535	\$140.28	218081	Reinforced Clostridial Agar	500 gr	JR	181-3609	\$97.03
277910	EY Tellurite	100 mL/vl, 6 vl/bx	BX	180-3490	\$217.90	248020	Rogosa SL Agar	500 gr	JR	181-3350	\$118.49
211767	Fraser Broth Base	500 gr	JR	181-3146	\$87.07	218312	Rose Bengal Agar	500 gr	JR	180-3690	\$142.20
211766	Fraser Broth	2 kg	JR	181-3997	\$323.10	274500	Salmonella Shigella (SS) Agar	500 gr	JR	181-3074	\$92.39
211742	Fraser Broth Supplement	10 mL/vl, 6 vl/bx	BX	181-3145	\$72.74	210430	Tetrathionate Broth Base	500 gr	JR	180-3100	\$50.99
285340	Hektoen Enteric Agar	500 gr	JR	181-3510	\$176.16	226540	Triple Sugar Iron	500 gr	JR	181-3196	\$68.55
249610	KF Streptococcus Agar	500 gr	JR	181-3360	\$125.47	236950	Tryptic Soy Agar	500 gr	JR	181-3271	\$58.28
290010	Lactobacilli Agar	100 gr	JR	180-3530	\$72.76	236940	Tryptic Soy Agar	100 gr	JR	181-3272	\$30.86
288130	Lactobacilli MRS Broth	500 gr	JR	181-3524	\$84.62	211823	Tryptic Soy Broth	10 kg	EA	181-3273	\$716.87
215620	Lactose	500 gr	JR	180-3120	\$32.05	211824	Tryptic Soy Broth	100 gr	JR	181-3274	\$24.72
211835	Lactose Broth	500 gr	JR	181-3019	\$65.16	211825	Tryptic Soy Broth	500 gr	JR	181-3275	\$50.96
241000	Lactose Broth	2 kg	PA	181-3021	\$247.65	286220	Tryptic Soy w/o Dextrose	500 gr	JR	181-3519	\$71.51
242000	Lactose Broth	10 kg	PA	181-3256	\$1,181.68	211705	Tryptone	500 gr	JR	181-3103	\$79.52
224140	Lauryl Tryptose Agar	100 gr	EA	181-3140	\$64.83	211699	Tryptone	2 kg	PA	181-3104	\$412.00
224150	Lauryl Tryptose Broth	500 gr	JR	181-3150	\$85.42	223000	Tryptone Glucose Extract Agar	500 gr	JR	181-3007	\$115.14
224120	Lauryl Tryptose Broth	2 kg	PA	181-3151	\$289.57	222330	UVM Modified Listeria Enrichment Broth	500 gr	JR	180-3027	\$89.72
268110	Letheen Broth	500 gr	JR	181-3433	\$131.20	211695	Violet Red Bile Agar	500 gr	JR	181-3034	\$78.91
294020	M Broth	500 gr	JR	180-3020	\$108.99	211687	Violet Red Bile Agar	2 kg	PA	181-3033	\$315.46
267720	M FC Agar	500 gr	JR	181-3430	\$147.82	229100	Violet Red Bile Agar w/MUG	500 gr	JR	181-3035	\$302.16
218561	M 17 Broth	500 gr	JR	180-3695	\$164.83	278850	XLD Agar	500 gr	JR	181-3494	\$123.84
279100	McConkey Sorbitol	500 gr	JR	181-3100	\$106.83	271210	Yeast Mold Agar	500 gr	JR	181-3991	\$151.82
273620	M Endo Agar LES	500 gr	JR	181-3466	\$166.32	212750	Yeast Extract	500 gr	JR	181-3107	\$103.60
						212730	Yeast Extract	10 kg	EA	181-3106	\$1,740.69
						212720	Yeast Extract	2 kg	PA	181-3108	\$350.34

Call Customer Service at 800-826-8302

DEHYDRATED CULTURE MEDIA & PETRI DISHES

Acumedia

Value-priced Acumedia is ISO-9001 quality certified and provided with extensive documentation to meet even the most intensive regulatory requirements. Acumedia sources bovine components only from designated BSE/TSE-free countries.



Description	Pkg	Unit	Stock#	PRICE
Standard Methods Agar	500 g	JR	498-3157	\$67.69
Violet Red Bile Agar	500 g	JR	498-3165	\$64.93
Potato Dextrose Agar	500 g	JR	498-3149	\$77.02
Lactobacilli, MRS Broth	2 kg	PA	498-3740	\$259.45
Lactobacilli, MRS Broth	500 g	JR	498-3406	\$68.26

Criterion™ Dehydrated Media Pouches

No weighing is necessary with these pre-measured mylar, zip-locked, dehydrated media pouches that make a 2-liter batch of agar. Criterion media dissolves quickly and is formulated to meet or exceed the highest standards.



Description	Unit	Stock#	PRICE
Plate Count Agar	PK	304-3190	\$35.82
Potato Dextrose Agar	PK	304-3662	\$33.13
Violet Red Bile Agar	PK	304-3260	\$34.40

BBL™ GasPak™ Environmental Systems

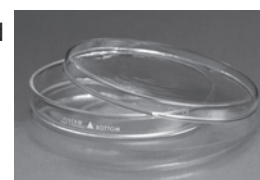


Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
260626	GasPak 100 System Polycarbonate Incubation Jar	12 plate capacity	EA	614-3626	\$512.17
270303	GasPak 150 Catalyst Charges	10/pk	PK	614-3301	\$133.37
260001	GasPak EZ Anaerobe Sachets w/Indicator	20/pk	PK	614-3021	\$73.11
271051	GasPak Dry Anaerobic Indicator Strips	100/pk	PK	614-3051	\$98.05
260678	GasPak EZ Anaerobe Sachets	20/bx	BX	614-3262	\$69.90
260683	GasPak EZ Anaerobe Pouch System	25/pk	PK	614-3683	\$91.25
260671	GasPak EZ Incubation Chamber (holds 15 plates)	1/pk	EA	614-3142	\$107.92
260673	GasPak Incubation Chamber Petri Dish Rack	1/pk	EA	614-3979	\$77.78

Pyrex® Glass Petri Dish

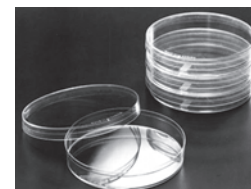
Flat, clear dish with beaded edges withstands repeated sterilizations. Reference point marked for serial dilutions. 100 mm x 15 mm. Cover and bottom sold separately or complete set below.

Description	Pkg	Unit	Stock#	PRICE
Bottom	12/cs	EA	156-3652	\$4.18
Cover	12/cs	EA	156-3662	\$3.97
Complete set	12 sets/pk	BX	140-3006	\$89.21



Disposable Petri Dish

100% sterility guaranteed. These plastic Ultra-Dish petri dishes are packed in a double-sealed polyethylene sleeve to keep dishes sterile during transit, storage and handling. These heavy, clear dishes have consistently flat bottoms (never more than 0.005" off flat from edge to center). Flat dishes require less media for adequate coverage in the center of the dish. Stacking dishes feature a vertical stacking ring on lid to assure stable stacking. Designed for easy one-handed opening and closing. Edges are squared off to provide a firm, sure grip. Certificate of sterility is available upon request.



Size	Pkg	Unit	Stock#	PRICE
100 mm x 10 mm, Non-stacking	750/ca	CA	211-3904	\$122.60
100 mm x 10 mm, Non-stacking	750/ca	CA	716-2400	\$330.75
100 mm x 15 mm, Stacking	500/ca	CA	211-3001	\$69.96
100 mm x 15 mm, Non-stacking	500/ca	CA	211-3002	\$63.89
100 mm x 20 mm, Non-stacking	500/ca	CA	211-3004	\$85.78
100 mm x 25 mm, Stacking	375/ca	CA	716-3107	\$113.09

Prices subject to change.

MICROBIOLOGICAL ACCESSORIES

Petri Dish Holder

Neatly racks up to eighteen 100 x 15 mm dishes. Blue vinyl coating. 4-1/2"L x 9"W x 7"H.

Unit	Stock#	PRICE
EA	446-3311	\$29.97

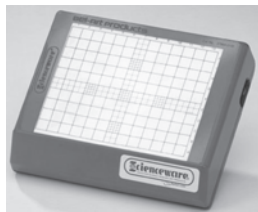


Falcon 1034 Rodac™ Petri Dishes

For determining level of microbial contamination of surfaces in environmental studies. Pour your own plates and save money. 65 mm x 15 mm. 10 mm grid with 21 squares. Surface area: approximately 25 sq. cm. Complete with cover. Sterile. 500/case.

Unit	Stock#	PRICE
CA	156-3670	\$336.66

Scienceware® Light Box and Magnifier



Compact, lightweight system to read Petrifilm™ Plates or petri dishes. Operates with four AA batteries (not included) or 6V AC adapter (optional). Light box dimensions: 6-1/4"L x 5-3/8"W x 1-3/4"H.

Description	Unit	Stock#	PRICE
Mini light box	EA	010-3864	\$169.07
Free-standing magnifier	EA	010-3101	\$173.47
Light box adaptor	EA	010-3865	\$52.81
Replacement bulb	EA	010-3103	\$41.50

Flash-O-Lens Magnifier



Precision 5X magnifier with built-in illumination. A small bulb mounted in the handle spotlights the magnified field of vision. Battery model for complete portability. Fixed focus lens of top-quality optical glass magnifies 5X with a 2" field of vision and 1-3/8" working distance. Also described as a "Mite Light".

Unit	Stock#	PRICE
EA	537-3005	\$95.78

Counter-Pen

TRACEABLE®
PRODUCTS

Economical combination marker and digital counter for bacterial colonies on petri dishes and Petrifilm™. It can also be a useful tool in the plant when used for inventory parts and tally samples received. Sound and count occur simultaneously when black mark is made with the felt-tipped pen and LCD displays the count. Pen marks hold place if interrupted and counter holds total. This ABS plastic item counts to 99,999 and has a reset button and on/off switch. Complete with replaceable pen, cap and battery.



Size	Unit	Stock#	PRICE
6" x 0.66"	EA	132-3333	\$19.35

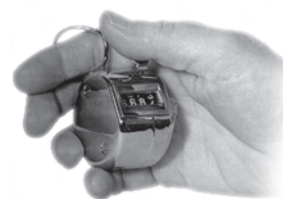
eCount™ Colony Counter

An all-in-one eCount combines a multi-function electronic counter with a Sharpie® marker for marking petri dishes or Petrifilm™ to prevent missing or double-counting colonies. Light, ergonomic body is balanced for easy manipulation. Touch controls for multiple counts, sums, counting up or down, and has the ability to keep up to 32 separate counts in memory. Counter automatically beeps with each count, or select the LED flash mode for a visual alert of each count. Press the lock key to write with Sharpie marker without counting, which makes writing count totals simple. eCount comes with one fine-point Sharpie marker and weighted stand.



Size	Unit	Stock#	PRICE
7" Length	EA	320-3092	\$232.19

Hand-Held Counter



Tallies up to 9999 items. Quickly resets to zero. Useful for counting bacterial colonies, drops from a pipet, etc.

Unit	Stock#	PRICE
EA	155-3173	\$23.70

SP SCIENCEWARE
Bel-Art • H-B Instrument • Wilmod-LabGloss

Call Customer Service at 800-826-8302

COLONY COUNTERS, NEEDLES & LOOPS

REICHERT® DARKFIELD QUEBEC®
Colony Counter

Count bacterial colonies accurately and quickly with this colony counter. Adjustable dish holder centers round dishes up to 100 mm, and square culture plates up to 100 mm x 100 mm. Darkfield illumination ensures even, glare-free viewing. Light is spread uniformly over the entire culture plate or dish. Colonies are bright and easily distinguished. Adjustable magnification lens rotates a full 360 degrees. Tilt leg for ergonomic use. Optional 1.5X auxiliary lens fits over standard lens to magnify to 3X. 110V. 1-year warranty.



Model	Description	Unit	Stock#	PRICE
3325	Colony counter, manual	EA	155-3160	\$935.10
3338	Colony counter guide plate holder	EA	155-3161	\$98.10

PALL LIFE SCIENCES Culture Pads and Dish



Ideal for culturing organisms recovered on Metricel™ filters or any microbiological procedure. Saturate these pure cellulose fiber pads with nutrient broth. Pads sold in kit or with 50 mm petri dish. Kit consists of 1000 pads (10 cartridges) and handy dispenser.

Description	Pkg	Unit	Stock#	PRICE
Absorbent pad kit, 47 mm	10 cartridges/bx	BX	220-3320	\$236.72
Absorbent pad w/petri dish	100/pk	PK	254-3325	\$57.41
Petri dish, 50 x 9 cm	100/pk	PK	156-3668	\$54.54

Disposable Inoculum Spreaders

End the hassles of making your own spreaders from glass rods and pipets. With unique L-shaped style, these sterile plastic spreaders disseminate cells onto the surface of a petri dish rapidly and smoothly. They're more convenient, and easier to use than glass rods or pipets.



Pkg	Unit	Stock#	PRICE
10/bg, 50 bg/pk	BX	211-3301	\$52.94

Disposable Inoculating Loops and Needles

Loops and needles are flexible to facilitate uniform and smooth streaking without damaging the gel surface. Packed sterile in safe, tamper proof, zip-seal resealable bags. These disposable loops and needles eliminate cross contamination due to improper sterilization. Color-coded for easy size identification. Total length is 22.7 cm. 25 each/pack, 40 packs/case.



Description	Size	Unit	Stock#	PRICE
Blue loops	1 µL (0.001 mL)	CA	211-3401	\$69.19
Blue loops	1 µL (0.001 mL)	PK	211-3402	\$3.43
Yellow loops	10 µL (0.01 mL)	CA	211-3403	\$69.19
White needles	-	CA	211-3405	\$69.19

Disposable Inoculating Loops

Eliminate the need for flaming with these disposable, plastic loops. 9" long, yellow, individually wrapped. For sterile, general applications such as streaking or transfers. 250/case.



Volume	Dimension	Unit	Stock#	PRICE
10 µL (0.01 mL)	3.5 mm ID	CA	155-3374	\$56.52

Needle and Holder

3-1/8" nickel-plated brass holder holds needle securely by adjustable screw chuck. Comes complete with one 2" straight needle. Bend to suit or order optional curved needles.

Description	Pkg	Unit	Stock#	PRICE
Holder w/ straight needle	12/ca	EA	155-3430	\$24.52
Curved needle	36/pk	EA	E220-3980	\$2.91
Curved needle	36/pk	PK	220-3390	\$43.69



Inoculating Loop Holder



Precision designed holder. Kolle type. Nickel-plated brass adjustable chuck holds both wire and foil. Aluminum handle with plastic sleeve.

Overall Length	Unit	Stock#	PRICE
10" (250 mm)	EA	155-3372	\$14.76

LOOPS & BURNERS

Inoculating Loops, APHA

B & S gauge no. 19 platinum wire with 3.5% rhodium loops for delivery of specified volumes. Meets APHA requirements. Use #53 and #54 drill bits to check 0.001 mL inoculating loop. Loop should fit over #54 bit, but not #53.



Volume	Dimension/Description	Unit	Stock#	PRICE
0.001 mL (1 µL)	1.45 mm ID	EA	155-3370	\$200.04

Inoculating Loop with Handle

3 mm loop with fused handle. Nichrome wire 3" long with 6" aluminum handle is economical and used for qualitative transfers to streak plates, broth, and more.

Unit	Stock#	PRICE
EA	373-3308	\$9.72

Nova Microcinerator/Slide Dryer

Designed to sterilize your metal inoculating loops and needles without an open flame; eliminating aerosaling of micro organisms. By using infrared heat inside a ceramic tube, the Nova Microcinerator protects your laboratory technicians from dangerous gases, flames, and splatter and can also be used as a slide dryer. The Nova can be adjusted to five different positions. The optimum sterilization temperature reaches 815°C (1500°F). Your loop or needle is sterilized within 5 to 7 seconds. To be used as a slide dryer, the slide dryer rest fits right on top of the microcinerator to dry your slides evenly. The microcinerator is 9.5" x 6" x 6.5".



Description	Unit	Stock#	PRICE
Nova Microcinerator	EA	524-3009	\$467.23
Slide dryer plate	EA	524-3010	\$78.75

Adjustable-Flame Bunsen Burners

Straight tube burners allow flame to be adjusted from 3/4" to 12" (10 to 305 mm). Flame retainer, which is supplied with natural gas and LP models, prevents flame from lifting or extinguishing. Adjustable air and gas controls. Rustproof construction. Side-arm 13 mm OD. Models available for two types of gas supply.

Gas Supply	BTU/cu.ft.	Height	Unit	Stock#	PRICE
Natural	800 to 1200	165 mm	EA	155-3073	\$71.64
LP	2400 to 3300	165 mm	EA	155-3074	\$52.76

Accessories

Rubber tubing	3/8" ID x 1/2" wall	12'/rl	RL	220-3378	\$100.88
---------------	---------------------	--------	----	----------	----------



Wheaton 400 Alcohol Burner

Wheaton 400 borosilicate glass alcohol lamp with wick, metal wick holder, and cap to extinguish flame and prevent evaporation. Low heat flame is well-suited for microscopy purposes. ground glass cap. 100 mL. Uses ethanol (#154-3283), sold separately.

Description	Pkg	Unit	Stock#	PRICE
Alcohol burner	6/ca	EA	220-3090	\$38.93
Replacement wicks	25/pk	PK	220-3091	\$40.51



Safety Gas Lighter for Burner

A flint, which produces a spark, is protected by a special hood. The hood causes a gas pocket to form which assures instant, safe lighting.

Description	Pkg	Unit	Stock#	PRICE
Lighter	Each	EA	155-3390	\$5.80
Replacement flints	5/pk	PK	220-3391	\$3.26



Call Customer Service at 800-826-8302

WATER & SYRINGE FILTRATION

PALL LIFE SCIENCES Microbiological Media

Mfg Part#	Description	Pkg	Unit	Stock#	PRICE
Glass Ampoules					
68102	MF-Endo Broth, Total Coliforms, 2 mL/ampoule	20/pk	PK	254-3102	\$56.58
Plastic Ampoules					
68105	MF-Endo Broth, Total Coliforms, 2mL/ampoule	50/pk	PK	254-3105	\$98.35

PALL LIFE SCIENCES METRICEL™ GN-6 Membrane Filters



Comply with government requirements for determining coliform levels. Used in APHA methods to determine bacterial levels in water, sewage, beverages, and dairy products. Available in grid or plain patterns. Packaged in sterile bulk pack or individually sterile wrappers. Mixed cellulose esters. 0.45 mm pore size.

Mfg Part#	Description	Diameter	Pkg	Unit	Stock#	PRICE
66278	Grid, individually wrapped	4.7 cm	200/pk	PK	254-3281	\$178.81
63068	Plain	2.5 cm	100/pk	PK	155-3279	\$104.60

PALL LIFE SCIENCES Maxi Capsule Filter with Vent



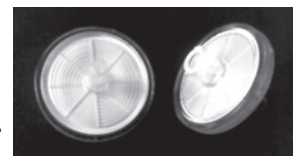
Combine the efficiency of a flat membrane filter with the large filtration surface area of a pleated filter with these pleated maxi capsules, with double-layer membranes. Versatile enough to use on reagents, media, enzymes, water, and even air. Provides high volume air or liquid filtration at an economical cost. Vent provides greater flow rates by releasing excess air when liquids are introduced. 1/2" hose barb nipples. 8-1/2" overall. 2.4" diameter. Pre-sterilized. Autoclavable. 0.2 micron diameter pore size.

Mfg Part#	Unit	Stock#	PRICE
12112	EA	155-3284	\$213.47

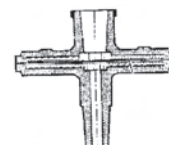
Syringe Filter Assemblies

Individually packaged, sterile filter assemblies. Typically used to filter whey for bacteriophage testing or prepare neutralizing buffer for environmental swabs. Attach to syringe with female Luer-Lok™ in/male luer out. Maximum pressure: 75 psi.

- Heavy-duty; PVC housing enables this assembly to withstand greater syringe pressures. Ethylene oxide sterilized. Most popular for phage testing.
- Standard assemblies feature membranes which are sealed in modified acrylic housings and supported on both sides for bidirectional flow. Radiation sterilized.



Description	Pore Size	Membrane	Pkg	Unit	Stock#	PRICE
Heavy-Duty, 33 mm						
Millipore	0.45 µm	Cellulose	50/bx	BX	447-3001	\$160.06
GEWhatman	0.45 µm	Cellulose	50/pk	PK	741-3655	\$131.25
Standard, 25 mm						
Pall	0.45 µm	Polysulfone	50/bx	BX	155-3265	\$206.56
GEWhatman	0.45 µm	Polysulfone	50/pk	PK	741-3855	\$113.40
Pall	0.2 µm	Polysulfone	50/pk	PK	254-3270	\$206.60
GEWhatman	0.2 µm	Polysulfone	50/pk	PK	741-3755	\$113.40



Prices subject to change.

STAINS, REAGENTS & ENRICHMENTS

Difco® Serology



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
224061	Salmonella H Antiserum Poly A-Z	3 mL	VI	180-3743	\$106.31
222641	Salmonella O Antiserum Poly A-1 & VI	3 mL	VI	180-3700	\$74.85

BBL™ Stain Kits and Reagents



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
240827	Coagulase Plasma, Rabbit w/EDTA	1 mL lyophilized, 10/bx	BX	614-3827	\$76.93
212525	Gram Crystal Violet	250 mL/btl, 4 btl/pk	PK	614-7007	\$51.15
212527	Gram Decolorizer	250 mL/btl, 4 btl/pk	PK	614-3830	\$47.66
212531	Gram Safranin	250 mL/btl, 4 btl/pk	PK	614-3296	\$44.97
212539	Gram Stain Kit	250 mL/btl, 4 btl/kit	KT	614-3297	\$48.37

Difco® Stains and Reagents



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
264310	Triphenyl Tetrazolium Chloride (TTC)	25 gr	JR	180-3419	\$117.28
211731	Bromthymol Blue	5 gr	JR	180-3130	\$86.74
231121	Triphenyl Tetrazolium Chloride (TTC) Solution, 1%	30 mL	VI	180-3800	\$35.64

Rappaport Vassiliadis R10 Broth



10 mL prepared Rappaport Vassiliadis R10 broth tubes are perfect for the selective enrichment of Salmonella spp. and Shigella spp. The tubes are 16 x 125 mm. 20 tubes/pack.

Unit	Stock#	PRICE
PK	304-3167	\$35.39

Check out our full line of microbiological supplies, media, test kits, and accessories to make your testing quick and easy.

If you still can't find what you need, call our Laboratory Products Specialists at 800-826-8302.

Call Customer Service at 800-826-8302

ENRICHMENTS & DILUTION MEDIA

3M™ Enrichment Pouches

Quick-Enrich™ is a convenient alternative to making and sterilizing media. 3M adds 225 mL of a variety of pre-made Salmonella and Listeria enrichment broths to stand-up pouches. The flat-bottom of these pouches ensures stability while the wire tab holds the top open to give you the advantage of “hands-free” sample addition. The pouch is constructed of a multi-laminate plastic that is puncture resistant. Each case is gamma irradiated to ensure the highest level of sterility and has a 2-year shelf life from the date of manufacture. To enrich a sample, simply stand the pouch on a flat surface. Cut open the top with a scissors and bend the wire tab toward the center to hold the pouch open. Add the sample, then place the pouch into the blender. Once blending is completed, simply fold or whirl the bag over to close twisting the ends of the tabs together to secure into place. Quick-Enrich is now ready to incubate.

3M



Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
QEBPW225	Buffered Peptone Water, 225 mL	32/ca	CA	351-3042	\$63.87
QEBPW225F	Buffered Peptone Water with Filter, 225 mL	32/ca	CA	351-3043	\$110.23
QEMBPW225	Modified Buffered Peptone Water, 225 mL	32/ca	CA	351-3044	\$72.11
QELAC225	Lactose Broth, 225 mL	32/ca	CA	351-3045	\$56.66
QELAC225F	Lactose Broth with Filter, 225 mL	32/ca	CA	351-3046	\$100.95
QETSB225	Tryptic Soy Broth, 225 mL	32/ca	CA	351-3047	\$74.17
QEEUVM225	UVM Broth, 225 mL	32/ca	CA	351-3048	\$79.32

3M™ Dilution Pouches

Heavyweight, puncture-resistant pouches are ideal for many sample preparation and enrichment procedures. The flat bottoms allow the pouch to stand on its own, freeing the technician to work with both hands. Strong enough to use in a blender, pre-filled bags are available with or without filter.

3M



Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
QDBFD225	Butterfield's Buffer, 225 mL	32/ca	CA	351-3001	\$54.60
QDBFD225F	Butterfield's Buffer with Filter, 225 mL	32/ca	CA	351-3002	\$101.98
QDBFD450	Butterfield's Buffer, 450 mL	16/ca	CA	351-3003	\$38.11
QDBFD99	Butterfield's Buffer, 99 mL	50/ca	CA	351-3004	\$95.80

3M™ Prepared Culture Media

RediBroth™ is a cost-effective and convenient alternative to making and sterilizing media. Each bottle is pre-filled with 90 mL of the broth. The bottles are made of strong, lightweight, PET plastic that resists breaking while providing the clarity of glass. A generous 40 mm headspace and a 55 mm bottle opening make it easy to add samples. No other bottle is easier to open. The Lift 'n Peel Liner has more surface area to grasp, so you can have better grip, even with gloves. This secure liner resists leaking during shipment, preventing contamination. Meets USP guidelines and is terminally gamma-irradiated rather than sterile-filled, ensuring a high level of sterility.

3M

Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
RBLET09036	Lethen Broth	36/ca	CA	351-3050	\$83.44
RBTSB09036	Tryptic Soy Broth	36/ca	CA	351-3051	\$83.44

3M™ Flip-Top Dilution Bottles

The handy flip-top style provides a fast, easy and reliable bottle for sample handling. Flip-top lids can be opened with one hand and the hinged lid stays open for easy sample additions.

3M



Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
FTBFD90	Butterfield's Buffer, 90 mL	66/ca	CA	351-3890	\$38.11
FTBFD99	Butterfield's Buffer, 99 mL	66/ca	CA	351-3899	\$38.11
FTPHB9066	Phosphate Buffer, 90 mL	66/ca	CA	351-3669	\$38.11
FTPW9066	Peptone Water, 90 mL	66/ca	CA	351-3090	\$50.47
FTPW99	Peptone Water, 99 mL	66/ca	CA	351-3098	\$50.48
FTPHB9966	Phosphate Buffer, 99 mL	66/ca	CA	351-3550	\$38.11

Prices subject to change.

DILUTION MEDIA

3M™ Mini Flip-Top Dilution Vials



3M

Flip-top lids can be opened with one hand and the hinged lid stays open for easy sample additions. Cost effective alternative to in-house preparation.

Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
9 mL					
BPPFV9BFD	Butterfield's Buffer, 9 mL	100/ca	CA	351-3202	\$54.60
BPPFV9BPW	Buffered Peptone Water, 9 mL	100/ca	CA	351-3005	\$54.60
BPPFV9LB	Lethen Broth, 9 mL	100/ca	CA	351-3006	\$54.60
BPPFV9MRS	MRS Broth, 9 mL	100/ca	CA	351-3007	\$54.60
BPPFV9MRD	Maximum Recovery Diluent, 9 mL	100/ca	CA	351-3008	\$54.60
10 mL					
BPPFV10BPW	Buffered Peptone Water, 10 mL	100/ca	CA	351-3059	\$54.60
BPPFV10LB	Lethen Broth, 10 mL	100/ca	CA	351-3060	\$54.60
BPPFV10NB	Neutralizing Buffer, 10 mL	100/ca	CA	351-3061	\$54.60

pH Stock Dilution Buffer Concentrate

Save time by not having to prepare phosphate buffer stock solution. With these stock dilution buffers, the time-consuming and tedious preparation step is already done. Simply add 1.25 mL of certified stock buffer to one liter of microbiologically suitable water, and your dilution water for microbiological testing is complete as specified in Standard Methods. Creates a 7.2 pH stock dilution.

Quantity	Unit	Stock#	PRICE
2½x Pint	BO	534-3401	\$13.81
1 Pint	BO	534-3405	\$22.13
1 Quart	BO	534-3409	\$35.46

Hygiena QD-Loops™



Reduce labor and time preparing samples with these disposable, ready-to-use sampling and dilution devices. Each has 1 mL of Butterfield's diluent. The tips are designed for collecting required amount of liquid sample for given dilution. Use combinations of the devices in order to perform any dilution required.

Dilution Factor	Pkg	Unit	Stock#	PRICE
Boxes, 250/bx				
1:10	250/bx	BX	332-3000	\$218.25
1:100	250/bx	BX	332-3104	\$218.25
1:1000	250/bx	BX	332-3105	\$218.25
Packs, 25/pk				
1:10	25/pk	PK	332-3175	\$29.81
1:100	25/pk	PK	332-3125	\$29.81
1:1000	25/pk	PK	332-3150	\$29.81

Call Customer Service at 800-826-8302

SOFT SERVE & CARCASS TEST KITS**Petrifilm™ Soft Serve Coliform Test Kit**

Take control of the quality and safety of your soft serve and milkshake products with this convenient and reliable on-site test. Everything you need to perform 50 coliform tests is in this kit. Results in only 24 hours or sooner, at about \$2 per test. Use to quantify coliform count in your mix, check cleanliness of soft serve machines, test the quality of your products, and reinforce good sanitary practices among employees.

INCLUDES:

- 50 QD™ Loops 1:10 dilution for easy sampling.
- 50 3M™ Petrifilm™ Coliform Count Plates.
- 25 Incubation/disposal bags.
- 1 Step-by-step instruction sheet.
- 1 Petrifilm Interpretation Guide.
- 1 Petrifilm Spreader.

The Compact Incubator #004-3100 (sold separately) provides a low-cost way to incubate samples on site or in a vehicle.

3M

Unit	Stock#	PRICE
KT	483-3501	\$108.15

3M™ Cattle/Swine/Turkey Testing

Meets USDA guidelines for HACCP carcass swabbing of beef, swine and turkey.

Choose either a complete carcass sampling kit or purchase items individually. The complete cattle/swine kit enables you to take 15 samples. Each kit includes 25 mL buffer solution, a template, sample sponge with gloves, and a sample bag. We offer Butterfield's buffer for E.coli testing or buffered peptone water for Salmonella testing.

Each screw-cap bottle is filled with 25 mL of buffer. There is a demarcation at 15 mL so you can easily perform the USDA recommended procedures for sample preparation and collection. Templates are sterile, individually wrapped pieces of flexible plastic that conform to the uneven surfaces encountered during carcass sampling. Choose either a cattle template to sample a 10 x 10 cm area on a beef or swine carcass, or the poultry template to sample a 5 x 10 cm area on a turkey carcass.

3M

Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
Cattle/Swine Complete Kit					
UKIT025BPW	Cattle/Swine Kit with 25 mL Buffered Peptone Water	15/kt	KT	351-3052	\$113.32
USDAKIT025	Cattle/Swine Kit with 25 mL Butterfield's Buffer	15/kt	KT	351-3053	\$64.90
Turkey/Poultry					
TRB3037	Turkey Rinse Bag	250/ca	CA	351-3994	\$424.44
USDA050	Poultry Template, 50 sq cm	ea	EA	351-3135	\$1.82
USDA050	Poultry Template, 50 sq cm	100/ca	CA	351-3056	\$90.66
Cattle only					
USDA100	Cattle Template, 100 sq cm	ea	EA	351-3130	\$1.82
USDA100	Cattle Template, 100 sq cm	100/ca	CA	351-3055	\$90.66
USDA25BPW	Buffered Peptone Water, 25 mL	100/ca	CA	351-3057	\$118.47
USDA25BFD	Butterfield's Buffer, 25 mL	100/ca	CA	351-3010	\$118.47
Accessories					
BP237SPG	Sponge/Glove Sampling System, 18-oz bag	ea	EA	351-3137	\$2.78
BP237SPG	Sponge/Glove Sampling System, 18-oz bag	100/ca	CA	351-3058	\$139.07

More carcass sampling kits on the next page...

CARCASS TEST KITS & BAGS

Nasco Meat/Turkey Carcass Sampling Kit



This easy-to-use kit is designed for sampling meat and turkey carcasses to test for the presence of E.coli. While wearing sterile gloves, moisten sponge with half of the peptone water. Wipe carcass in three places for meat and two places on turkeys using the sterile templates. Return sponge to bag and add the rest of the peptone water. The bag is sent to the lab for testing. The kit contains:

- 25 pair of sterile polyethylene gloves.
- 25 mL buffered peptone water.
- 25 Whirl-Pak® Speci-Sponge bag.
- 50 disposable sterile templates (25 for meat carcasses, 25 for turkey).

Pkg	Unit	Stock#	PRICE
25 tests/kit	KT	486-3327	\$137.98

3M™ Bird Rinse Bags



Prepare your samples with ease using bags designed for poultry processors to test for E.coli. Designed to meet USDA specifications. 15"W x 20"L. 500/case.

Unit	Stock#	PRICE
CA	351-3101	\$217.52

For our full line of products, please request a copy of our Buyers Guide!

Includes:

- Safety & Personnel
- Production & Material Handling
 - Sanitation & Janitorial
- Processing & Flow Control
- Packaging & Ingredients

Call Customer Service at 800-826-8302

ALLERGEN/PROTEIN TESTING SWABS & KITS

3M™ Clean-Trace™ Surface Protein (Allergen) Swabs**3M**

Eliminate the need for several different allergen test kits by using the 3M Clean-Trace Surface Protein (Allergen) Swabs. The test is a very simple and sensitive swab, which detects as little as 3 µg of protein residues on surfaces and in solution. Validated for a range of allergenic proteins including egg, milk, gluten, soy, and peanut. The basis of these swabs is the majority of allergens are protein, if a surface is found to be virtually protein-free, it indicates low risk of allergens being present. Just swab the surface, click the activation solution and incubate in the 3M Digital Heating Block (#351-3064) for 15 minutes. Interpret the results by a color change of clean or dirty. Heating block sold separately.

Mfg Part #	Description	Unit	Stock#	PRICE
ALLTEC60	Clean-Trace Surface Protein (Allergen) 60 tests/ca	CA	351-3062	\$180.28
DHB120	3M Digital Heating Block	EA	351-3064	\$582.06

3M™ Clean-Trace™ Surface Protein Plus Test

Use this protein detection system as a fast and easy way to check whether cleaning has been carried out to a satisfactory standard. Everything you need for a result is contained in the compact device. There is no need for an instrument as results are visual, there is also no need to store the device under refrigerated conditions.



With unique swab-click-read format and simple color-change technology, this test is very easy to use and implement in a busy production environment. The results are semi-quantitative with four possible colors. The faster the test turns purple, the higher the level of contamination on a surface. The test detects protein and other reducing agents, considered as a superior hygiene indicator to glucose because it is more difficult to remove from a surface.

3M

Mfg. Part #	Pkg	Unit	Stock#	PRICE
PRO100	100/ca	CA	351-3041	\$273.00

Hygiena AllerSnap™ Protein Residue Test Swab

AllerSnap detects 3ug protein after 30 minutes incubated at 37°C or 15 minutes at 55°C for eight major food allergens. Use on a surface after cleaning to help ensure product quality. Simply swab surface, release reagent and incubate. If protein residue is present, the reagent will turn purple. The color change provides a semi-quantitative measure of surface cleanliness. The more contamination present, the quicker the color change to purple and the darker the color. Quickly validates the hygiene of a surface allowing immediate corrective action to be taken if necessary. Suitable for allergen monitoring (quantitative analysis).

NOTE: Incubator (#332-3339) and block (#332-3003) are required and sold separately.

**hygiena**

Mfg Part #	Pkg	Unit	Stock#	PRICE
ALS-100	100/bx	BX	332-3255	\$208.55

Hygiena PRO-Clean™ Rapid Protein Food Residue Test

Quickly monitor the cleanliness of food equipment surfaces to help ensure food safety and quality with PRO-Clean swabs. Simply swab a surface, release the reagent, and if certain protein residues are present, the reagent will turn purple.

- Results in under 10 minutes.
- Easy to use, easy to interpret.
- All-in-one device, no instrumentation necessary.
- 12-month shelf life.

Ideal for food processors, meat processors, restaurants, food service, and grocery stores. 100 swabs/box.

hygiena

Unit	Stock#	PRICE
BX	332-3230	\$187.00

Hygiena SpotCheck Plus™ Glucose and Lactose Residue Test

It is easy to validate your sanitation system and ensure food safety with these ready-to-use tests. SpotCheck measures simple sugars (glucose and/or lactose) so you can detect most major food groups versus protein residue tests that are limited to high protein foods, such as meat. 100/box.

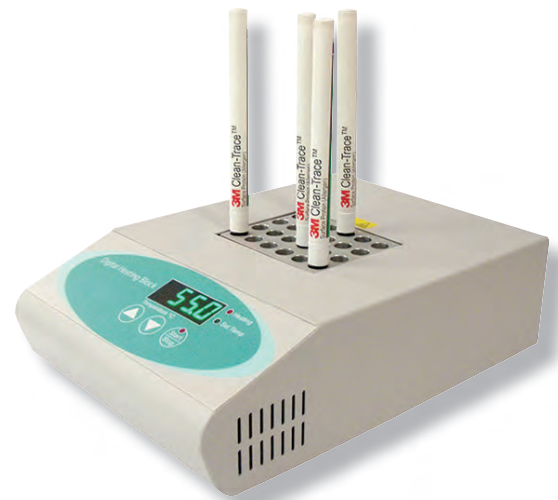
hygiena

- No waiting, results are available within 60 seconds.
- No expensive instrumentation as it is an all-inclusive test.
- Easy to use and interpret results.

Description	Unit	Stock#	PRICE
Glucose/lactose test	BX	332-3101	\$175.00

Prices subject to change.

3M Food Safety Products





MDS.....	3
Traditional ATP.....	4
Swabs.....	5
Sample Collection.....	6-7
Petrifilm.....	8-11
Pouches.....	12
Dilution Bottles.....	13
Equipment.....	14
Protective Eyewear.....	15



Connect with us!

**In addition to phone, fax,
email, and mail, follow
and interact with us via
social media.**

1. Warranty. 3M warrants that from the Effective Date through the End Date: (a) the Equipment will substantially perform in accordance with the Equipment user manual; and (b) the Warranty Services will be performed with reasonable care and in accordance with industry practices. THESE WARRANTIES DO NOT APPLY, AND 3M'S RESPONSIBILITY TO PERFORM SERVICES UNDER THIS EXTENSION CEASES, IN THE FOLLOWING CIRCUMSTANCES: (A) THE EQUIPMENT HAS BEEN REPAIRED BY PERSONS NOT AUTHORIZED BY 3M; (B) THE EQUIPMENT HAS BEEN ALTERED, MODIFIED, OR MISUSED; (C) USE OF A NON 3M SWAB, ADAPTER DEVICE, OR OTHER NON-STANDARD COMPONENTS IN THE INSTRUMENT; (D) DAMAGE TO UNIT CAUSED BY SWAB LEAKAGE DUE TO FAILURE TO REMOVE SWAB FROM UNIT IMMEDIATELY AFTER TESTING; (E) REPAIRS OR REPLACEMENT OF MOLDINGS, OR CASINGS DUE TO CORROSION, SCRATCHING OR DENTING; (F) REPLACEMENT OF PLASTIC OR METAL TRIM BADGES OR ANY OTHER INSIGNIA; (G) RESPONDING TO A REQUEST BY THE INSURED FOR SERVICE, BUT WHERE NOT FAULT IS FOUND; OR (H) EQUIPMENT HAS NOT BEEN MAINTAINED OR USED IN ACCORDANCE WITH THE INSTALLATION AND USE GUIDE. UNLESS PROHIBITED BY LAW, THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, THE IMPLIED WARRANTY OF MERCHANTABILITY, OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING OR OF PERFORMANCE, CUSTOM OR USAGE OF TRADE.

2. Warranty Service. 3M agrees to provide Customer: (a) 3M will provide a loaner unit to Customer at no cost promptly after Customer notifies 3M that Equipment is malfunctioning. Customer is responsible for shipping the malfunctioning Equipment to 3M, at Customer's cost. (b) 3M will provide all labor and replacement parts 3M deems necessary for repairing the Equipment at 3M's cost, subject to the Warranty and exceptions above. 3M reserves the right to use reconditioned parts when new parts are unavailable or in short supply. This Agreement does not cover appearance items, optional factory design modifications or damages cause by fire, water or other than normal use and handling of the equipment. All service parts removed become the property of 3M.

3. Assignment/Termination of Warranty/Disclaimer of Other Warranties. This Agreement may not be assigned by Customer. The resale of this equipment shall immediately terminate all warranties. 3M DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING OR USAGE OF TRADE.

4. Limitation of Remedies. If during the Term the Services are not performed in accordance with the express warranty set forth herein or the Equipment does not conform to the express warranty set forth herein, 3M's sole obligation and Customer's sole remedy shall be, at 3M's option: 1. to repair or replace the non-conforming Equipment; or 2. re-perform the non-conforming Service. Customer must promptly notify 3M of any alleged warranty breach.

5. Limitation of Liability. UNLESS PROHIBITED BY LAW, 3M WILL NOT BE LIABLE TO CUSTOMER OR OTHERS FOR ANY OTHER DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING, FOR EXAMPLE, LOST PROFITS, BUSINESS, INVESTMENTS, OR OPPORTUNITIES EVEN IF 3M HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. The parties agree that 3M's total cumulative liability to Customer for direct damages for all causes under this Extension shall not exceed the sum of the price paid for the affected Equipment. Some states or countries may have laws which require liability rights different from those stated above. In such states or countries, the minimum required liability terms shall apply.

6. Entire Agreement. This Agreement supersedes and terminates any and all prior agreements, if any, whether written or oral, and all communications between the parties with respect to the subject matter of this Agreement. No variation or modification of this Agreement, whether by Customer's purchase order or otherwise, and no waiver of any of the Agreement's provisions or conditions shall be binding unless in writing and signed by duly authorized agents of 3M and Customer.

3M™ MOLECULAR DETECTION SYSTEM FOR PATHOGEN TESTING



The new 3M Molecular Detection System is powered by an innovative combination of technologies to provide a pathogen detection solution that is fast, accurate, easy-to-use and affordable. It uses isothermal DNA amplification and bioluminescence detection technologies to deliver a simple, rapid, specific and rugged pathogen detection method. The following kits are available for pathogen detection in enriched food and environmental samples: *Salmonella*, *Listeria*, *Listeria monocytogenes*, and *E.coli* 0157 (including H7). Each kit contains 96 tests, and includes pre-dispensed lysis solution tubes, color-coded reagent tubes, extra reagent tube caps, 1 negative control vial and 8 reagent control tubes. Laptop not included.

Benefits

- Fast, accurate and easy-to-use.
- Employee training is easy, as the system utilizes the same protocol for each assay with fewer steps than most tests.
- The assay tubes are color-coded by organism and match software screens to allow for better tracking and easy identification.
- The system can test and display results for multiple organisms in a single run.
- Real-time results allow for faster corrective actions or earlier ship dates of finished products.
- The instrument design is compact, yet robust; featuring automatic diagnostics at start-up.
- There are no moving parts or cooling fans and the heater is removable for easy cleaning, low maintenance and decontamination.

For more information on Molecular Detection, or any 3M™ product, contact our 3M™ Technical Sales Specialist at 800-826-8302

3M™ MOLECULAR DETECTION ASSAY 2 *SALMONELLA*

For the detection of *Salmonella* in enriched food, and environmental samples. Detection within 18-30 hours. Additional item needed: Peptone Water ISO #351-3213 (sold separately.)



Stock #	Qty	Unit
351-3195	96 Tests	Kit

3M™ MOLECULAR DETECTION ASSAY 2 *LISTERIA*

For the detection of *Listeria* in enriched food and environmental samples. Detection within 24-32 hours. Additional items needed: Demi-Fraser Broth #351-3217 and Fraser Broth Supplement #351-3222 (both sold separately).



Stock #	Qty	Unit
351-3198	96 Tests	Kit

3M™ MOLECULAR DETECTION ASSAY 2 *LISTERIA MONOCYTOGENES*

For the detection of *Listeria monocytogenes* in enriched food and environmental samples. Detection within 24-32 hours. *Raw dairy matrices require 40 hours. Additional items needed: Demi-Fraser Broth #351-3217 and Fraser Broth Supplement #351-3222 (both sold separately).



Stock #	Qty	Unit
351-3199	96 Tests	Kit

3M™ MOLECULAR DETECTION ASSAY 2 *E.COLI* 0157 (INCLUDING H7)

For the detection of *E.coli* 0157 (including H7) in enriched food. Detection within 24-48 hours. Additional items needed: Peptone Water ISO #351-3213 (sold separately).



Stock #	Qty	Unit
351-3191	96 Tests	Kit

TRADITIONAL ATP

3M™ CLEAN-TRACE™ NG3 LUMINOMETER

3M Clean-Trace Hygiene Monitoring System is a fast, reliable way to verify the removal of organic residues and microorganisms from surfaces by cleaning and to quickly identify contamination by the presence of adenosine triphosphate (ATP). The 3M Clean-Trace NG3 Luminometer precisely measures detectable levels of ATP and the fast results allow immediate corrective action.

Connect your 3M Clean-Trace NG3 Luminometer with 3M Clean-Trace Data Trending Software to collect, store, manage, and quickly retrieve data to assess and track the efficiency and effectiveness of your cleaning and sanitation. The numerical data can be optimized to identify workplace trends, pinpoint exactly where a sanitation problem occurred and address it at the source. This easy to use device requires minimal training. Not intended for consumer use. Monitoring the effectiveness of cleaning in critical areas helps reduce the risk of a food safety incident. With the 3M Clean-Trace Hygiene Monitoring System, monitoring for contamination on surfaces and in hard to reach areas is simple with results available in 30 seconds by using the swabs found on the next page. Quick detection and confirmation allows immediate corrective action to take place. This product can be used with minimal training and is easily integrated into company HACCP programs to monitor for cleaning effectiveness.

3M™ CLEAN-TRACE™ NG ATP LUMINOMETER

Stock #	Packaging	Unit
351-3063	1/ea	Each



3M™ CLEAN-TRACE™ SURFACE POSITIVE CONTROL

Stock #	Packaging	Unit
351-3210	10 vials/ca	Case



3M™ CLEAN-TRACE™ DOCKING STATION FOR COMPUTER

Stock #	Packaging	Unit
351-3728	1/ea	Each



THE NEW 3M™ CLEAN-TRACE™ HYGIENE MONITORING AND MANAGEMENT SYSTEM



Coming Soon!
Call for Details.

3M™ CLEAN-TRACE™ SURFACE ATP SWABS

With its unique liquid stable enzyme, the test offers superior levels of repeatability. This aspect of its performance and its incredible simplicity is why customers throughout the world have put Clean-Trace at the heart of their hygiene monitoring programs. Results measured in the 3M Clean Trace NG Luminometer and provided in relative light units.

Stock #	Pkg	Unit
351-3038	100/ca	Case



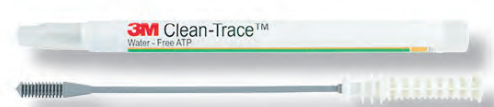
3M™ CLEAN-TRACE™ WATER ATP SWABS

A dedicated ATP water test that is designed to prevent sampling inaccuracy inherent in collecting a water sample with a swab. Its overall simplicity makes it a powerful addition to your hygiene program. Results measured in the 3M Clean-Trace NG Luminometer and provided in relative light units (RLU).

Stock #	Pkg	Unit
Water Total ATP Swabs 351-3039	100/ca	Case



Stock #	Pkg	Unit
Water Free ATP Swabs 351-3040	100/ca	Case



3M™ CLEAN-TRACE™ SURFACE PROTEIN PLUS TEST

This protein detection system can be integrated into your HACCP/HARPC program to monitor risk areas for cleaning effectiveness. The fast, visible results can assist in teaching staff the importance of cleaning and helping to develop a "hygiene culture". Everything you need for a result is contained in the compact device. There is no need for an instrument as results are visual, there is also no need to store the device under refrigerated conditions. With unique swab-click-read format and simple color change technology, this test is very easy to use and results are semi-quantitative with four possible colors. The faster the test turns purple, the higher the level of contamination on a surface. The test detects protein and other reducing agents, considered as a superior hygiene indicator to glucose because protein is more difficult to remove from a surface.

Stock #	Pkg	Unit
351-3041	100/ca	Case



Contact us today for more information on our full range of 3M™ products!

3M™ CLEAN-TRACE™ SURFACE PROTEIN (ALLERGEN) SWABS

Eliminate the need for several different allergen test kits by using the 3M Clean-Trace Surface Protein (Allergen) Swabs. The test is a very simple and sensitive swab, which detects as little as 3 µg of protein residues on surfaces and in solution. Validated for a range of allergenic proteins including egg, milk, gluten, soy, and peanut. The majority of allergens are protein; if a surface is found to be virtually protein-free, it indicates low risk of allergens being present. Just swab the surface, click the activation solution and incubate in the 3M Digital Heating Block (#351-3064) for 15 minutes. Interpret the results by a color change of clean or dirty.

Stock #	Description	Pkg	Unit
351-3064	Digital Heating Block	1/ea	Each
351-3062	Surface Protein (Allergen Swabs)	60/ca	Case



ENVIRONMENTAL SAMPLE COLLECTION

3M™ SPONGE STICK

The 3M Sponge-Stick allows you to sample without directly handling the sponge. It makes it easier to reach into drains, pipes and around equipment. Available in wet or dry formats with and without gloves to fit many applications. The 1.5 x 3 inch biocide-free cellulose sponge maintains organism viability. The sample bag is 6 x 11 inches with a 30-oz capacity for safe, convenient transportation to the lab.



**Extendable Pole
available for hard
to reach surfaces!
For use with Sponge
Sticks only**

Stock #	Description	Packaging	Unit
351-3025	3M™ Sponge Stick,w/10 mL Buffered Peptone Water	100/ca	Case
351-3110	3M™ Sponge Stick,w/10 mL Lethen broth	100/ca	Case
351-3026	3M™ Sponge Stick,w/10 ml Lethen broth w/2 gloves	100/ca	Case
351-3995	3M™ Sponge Stick,w/10 mL Neutralizing Buffer (NB)	100/ca	Case
351-3065	3M™ Sponge Stick,w/10 mL Neutralizing Buffer (DE)	100/ca	Case
351-3027	3M™ Sponge Stick,w/10 mL Neutralizing buffer w/2 gloves (NB)	100/ca	Case
351-3028	3M™ Sponge Stick,w/Dry Sponge in bag only	100/ca	Case
351-3975	Extendable Sponge Stick Pole	1/ea	Each

3M™ HYDRATED SPONGES

Sponges pre-hydrated with a variety of buffers for sample collection. Pre-moistened for convenience, durable, 1.5 x 3 inch biocide-free cellulose maintains organism viability. 18-oz bag unless otherwise noted, has a write-on label for ease of sample identification. Completely sealed and sterile assures no contamination of the sponge and the top is scored for easy opening.



Stock #	Description	Packaging	Unit
351-3300	3M™ Dry Sponge in bag only	100/ca	Case
351-3029	3M™ Hydrated Sponge, w/10 mL Buffered peptone water, 18-oz bag	100/ca	Case
351-3030	3M™ Hydrated Sponge, w/10 mL Buffered pepton water w/2 gloves, 18-oz bag	100/ca	Case
351-3031	3M™ Hydrated Sponge, w/10 mL Lethen Broth	100/ca	Case
351-3032	3M™ Hydrated Sponge, w/10 mL Lethen Broth, w/2 gloves	100/ca	Case
351-3303	3M™ Hydrated Sponge, w/10 mL Neutralizing Buffer	100/ca	Case
351-3302	3M™ Hydrated Sponge, w/10 mL Neutralizing Broth w/2 gloves	1/ea	Each
351-3301	3M™ Hydrated Sponge, w/10 mL Neutralizing buffer w/2 gloves	100/ca	Case
351-3306	3M™ Hydrated Sponge, w/10 mL Neutralizing buffer w/24-oz bag, 2 gloves	100/ca	Case

3M™ QUICK SWABS

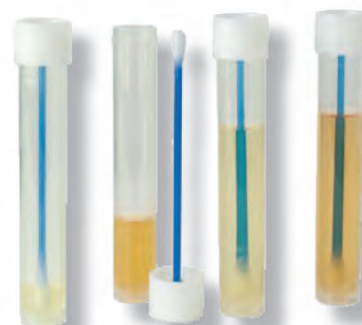
This ready-to-use environmental swab system consists of a 5-inch rayon-tipped swab which contains letheen neutralizing buffer to facilitate recovery of bacteria. The swabs can be used wet or dry to sample surfaces and quickly deliver 1.0 mL of sample onto a 3M Petrifilm Plate. Handy vinyl-covered wire rack, which holds up to 50 swabs, is sold separately.

Stock #	Description	Packaging	Unit
460-3432	3M™ Quick Swabs	50/bx	Box
460-3434	3M™ Quick Swabs	250/ca	Case
446-3340	Swab Rack (quick swabs)	1/bx	Each



3M™ SWAB SAMPLER

Swab in pre-filled bottle with various diluents. Screw cap tubes filled with your choice of enrichment broth or neutralizing solution. Sample collection is easy with the attached swab; the bottles have ample headspace for sample addition and vortexing to release organisms from the swab.



Stock #	Description	Packaging	Unit
351-3034	3M™ Swab Samplers 10 mL Buffered Peptone Water	100/ca	Case
351-3035	3M™ Swab Samplers 10 mL D/E Neutralizing Broth	100/ca	Case
351-3960	3M™ Swab Samplers 10 mL Letheen Broth	100/ca	Case
351-3036	3M™ Swab Samplers 10 mL Neutralizing Buffer	100/ca	Case
351-3993	3M™ Swab Samplers 1 mL Letheen Broth	100/ca	Case
351-3307	3M™ Swab Samplers 4 mL Letheen Broth	100/ca	Case
351-3992	3M™ Swab Samplers 4 mL Neutralizing Buffer	100/ca	Case
351-3037	3M™ Swab Samplers 5 mL Letheen Broth	100/ca	Case

3M™ CARCASS SAMPLING PRODUCTS

Sampling rinses, bags and kits meet the requirements of the US Pathogen Reduction Act. 3M provides everything you need to meet the USDA guidelines for sampling meat and poultry.

Stock #	Description	Packaging	Unit
351-3101	3M™ Bird Rinse Bag, 15" W x 20" L	500/ca	Case
351-3255	3M™ Bird Rinse, 400 mL Buffered Peptone Water Broth	35 vials/ca	Case
351-3057	3M™ Cattle w/25mL Buffered Peptone Water Broth	100/ca	Case
351-3010	3M™ Cattle w/25mL Butterfield's Buffer	100/ca	Case
351-3052	3M™ Cattle/Swine Kit, 25 mL Buffered Peptone Water Broth	15 kits/ca	Kit
351-3053	3M™ Cattle/Swine Kit, 25 mL Butterfield's Buffer	15 kits/ca	Kit
351-3130	3M™ Cattle Template, 100 cm ² area, plastic, sterile	1/ea	Each
351-3055	3M™ Cattle Template, 100 cm ² area, plastic, sterile	100/ca	Case
351-3994	3M™ Turkey Rinse Bag, Sterile, 30x37"	250/ca	Case
351-3135	3M™ Turkey Template, 50 cm ² area, plastic, sterile	1/ea	Each
351-3056	3M™ Turkey Template, 50 cm ² area, plastic, sterile	100/ca	Case



3M™ PETRIFILM™ PLATES

Maximize productivity by increasing your laboratory efficiency with 3M™ Petrifilm™ Plates. These sample-ready plates streamline your testing process, reducing the labor hours needed to perform microbial testing. Fast, Efficient and Reliable. There is a broad line of Petrifilm plates available, giving you the ability to monitor a variety of conditions for quality. AOAC approved.

3M™ PETRIFILM™ AEROBIC COUNT PLATES

Provides total aerobic count in as little as 48 hours. A red indicator dye in the plate colors all colonies red for better contrast and easier colony counting. The red colonies are also easily distinguished from opaque food particles that can cause confusion when using other plating methods. Ideal for finished product testing, in-process testing and environmental monitoring. By using labor-saving 3M Petrifilm Plates, you'll have more time to monitor critical control points and free up resources for other key food quality and safety initiatives. The end result is a better process control and higher quality products. This 3M Petrifilm Plate can also be read in 4 seconds using the 3M™ Petrifilm™ Plate Reader. Spreader included.



Stock #	Description	Packaging	Unit
460-3400	Aerobic Count Plates	100/bx	Box
460-3406	Aerobic Count Plates	1000/ca	Case

3M™ PETRIFILM™ RAPID AEROBIC COUNT PLATES

Features technology that facilitates colony enumeration in just 24 hours for most food matrices / environmental samples and resists distortion caused by spreader colonies. Proven as reliable as the SMA plate method. Aerobic count bacteria are present in a variety of food matrices and serve as indicators for food spoilage. Getting accurate aerobic bacteria counts in your raw materials, finished product and production environment are critical to making time-sensitive decisions that impact process control, cleaning decisions and, ultimately, product quality and safety. Red and blue indicator dyes in the plate color the colonies, count all colonies regardless of color, as described in the interpretation guide. Spreader to be purchased separately on page 11.



Stock #	Description	Packaging	Unit
460-3468	Rapid Aerobic Count Plates	50/bx	Box
460-3479	Rapid Aerobic Count Plates	500/ca	Case

3M™ PETRIFILM™ ENTEROBACTERIACEAE COUNT PLATES

An effective method to assess environments such as post-process food contact surfaces, and help you quickly determine potential sources of contamination. *Enterobacteriaceae* are of great importance since these organisms are involved in food spoilage, indicators of fecal contamination of food products, and some are foodborne pathogens. Since the Petrifilm Enterobacteriaceae Count Plate enumerates all coliform organisms plus potential pathogens such as *Salmonella*, *Shigella* and *Yersinia*, it provides a more inclusive picture of potential contamination. These heat and sanitizer-sensitive organisms should be monitored in both wet and dry plant environments. Spreader included.



Stock #	Description	Packaging	Unit
460-3420	Enterobacteriaceae Count Plates	50/bx	Box
460-3421	Enterobacteriaceae Count Plates	1000/ca	Case

3M™ PETRIFILM™ HIGH SENSITIVITY COLIFORM COUNT PLATES

Especially suitable for use in facilities producing dairy products where federal and state regulations, along with strict internal quality standards, demand a high-sensitivity test that can deliver results quickly and accurately. By accommodating a 5mL sample, the 3M Petrifilm High-Sensitivity Coliform Count Plate allows for the detection of low levels of coliforms in 24 hours. Spreader to be purchased separately on page 11.



Stock #	Description	Packaging	Unit
460-3405	Coliform High Sensitivity Count Plates	50/bx	Box
460-3415	Coliform High Sensitivity Count Plates	1000/ca	Case

3M™ PETRIFILM™ RAPID COLIFORM COUNT PLATES

Designed to provide a fast, accurate result in 4-24 hours. High coliform contamination can be detected beginning at four hours, with presumptive coliforms being recorded at 14 hours. Faster information means detecting process or contamination problems and being able to act on them to minimize the cost. Spreader included.



Stock #	Description	Packaging	Unit
460-3402	Rapid Coliform	50/bx	Box
460-3412	Rapid Coliform	500/ca	Case

3M™ PETRIFILM™ COLIFORM COUNT PLATES

Whether you produce dairy products, meat, poultry, frozen or cured foods, you know that testing for coliforms is a traditional step in controlling overall quality. Within 24 hours, Petrifilm Coliform Count plates indicate sanitation levels within raw materials, in-process product, finished product, the manufacturing environment and equipment. Confirmed coliforms are red colonies which are associated with gas bubbles. This 3M Petrifilm Plate can also be read in 4 seconds using the 3M™ Petrifilm™ Plate Reader. Spreader included.



Stock #	Description	Packaging	Unit
460-3410	Coliform Count Plates	50/bx	Box
460-3416	Coliform Count Plates	1000/ca	Case

3M™ PETRIFILM™ E. COLI/COLIFORM COUNT PLATES

Designed to identify both *E. coli* and other coliforms. With one easy test, you'll have confirmed results in just 24 to 48 hours. Confirmed coliforms are red and blue colonies with associated gas bubbles, read at 24 hours. Confirmed *E. coli* coliforms are blue colonies with associated gas bubbles, read at 48 hours. This 3M Petrifilm Plate can also be read in 4 seconds using the 3M™ Petrifilm™ Plate Reader. Spreader included.



Stock #	Description	Packaging	Unit
460-3404	E.Coli/Coliform Count Plates	50/bx	Box
460-3414	E.Coli/Coliform Count Plates	1000/ca	Case

3M™ PETRIFILM™ PLATES

3M™ PETRIFILM™ YEAST AND MOLD COUNT PLATES

Identifies foodborne yeast and mold in your food products and in your food processing environment. Yeast are easily differentiated from molds on the plate. Fast, accurate results in 3-5 days. Proven as reliable as acidified PDA and antibiotic PCA methods, Petrifilm Yeast and Mold Count plates are easier to use. Spreader included.



Stock #	Description	Packaging	Unit
460-3407	Yeast and Mold Count Plates	100/bx	Box
460-3417	Yeast and Mold Count Plates	1000/ca	Case

3M™ PETRIFILM™ RAPID YEAST AND MOLD COUNT PLATES

Identifies foodborne yeast and mold in your food products and in your food processing environment. They also simplify and accelerate the detection process. Featuring a new indicator technology that makes colonies easier to interpret, these completely sample-ready plates return results as soon as 48 hours. Proven as reliable as the DRBC and DG-18 spread plate methods as well as the acidified PDA and YGC agar pour plate methods. Spreader to be purchased separately on page 11.



Stock #	Description	Packaging	Unit
460-3475	Rapid Yeast and Mold Count Plates	50/bx	Box
460-3477	Rapid Yeast and Mold Count Plates	500/ca	Case

3M™ PETRIFILM™ STAPH EXPRESS COUNT PLATES

Streamline your staph testing by providing fast, confirmed results in a few steps. Distinctive red-violet colonies make interpretation very easy. Fast, accurate results in as few as 22 hours. If you encounter high background flora in your staph testing, the 3M Petrifilm Staph Express Disk can be used to identify *S. aureus* from all suspect colonies. The 3M Petrifilm Staph Express Count Plate provides equivalent performance to the U.S. F.D.A. Bacteriological Analytical Manual (BAM) three-plate Baird-Parker agar plus coagulase method. Spreader to be purchased separately on page 11.



Stock #	Description	Packaging	Unit
460-3649	Staph Express Count Plates	50/bx	Box
460-3641	Staph Express Count Plates	500/ca	Case
460-3642	Staph Express Confirmation Disks	20/bx	Box
460-3643	Staph Express Confirmation Disks	100/bx	Box

3M™ PETRIFILM™ ENVIRONMENTAL LISTERIA COUNT PLATES

For detection of *Listeria* in environmental samples. Designed to detect *Listeria* species from environmental samples in only 29 hours with no enrichment step required. A sample-ready culture medium containing selective agents, nutrients, a cold water-soluble gelling agent and a chromogenic indicator that facilitates the detection of the majority of environmental *Listeria*. Designed to analyze environmental samples and help increase the efficiency of monitoring plant sanitation. Spreader to be purchased separately on page 11.



Stock #	Description	Packaging	Unit
460-3447	EL Count Plates	50/bx	Box
460-3448	EL Count Plates	200/ca	Case
483-3449	Buffered Peptone Water	200mL/ea	Each
460-3449	Buffered Peptone Repair Broth	20/ca	Case

3M™ PETRIFILM™ AQUA PLATES

Sample-ready plates that replace conventional agar, petri dishes, media pads and disposable filter funnels used in the microbial testing of water. Each plate contains a water-soluble gelling agent, nutrients and indicators in a dry, shelf-stable format. We offer four 3M Petrifilm Aqua Plates to cover your unique testing needs: Heterotrophic Count, Coliform Count, *Enterobacteriaceae* Count, and Yeast and Mold Count. 3M Petrifilm Aqua Plates are ideal for testing bottled water. Procedure requires a membrane filtration system.

Stock #	Description	Packaging	Unit
460-3250	Aqua Heterotrophic Count Plates	100/bx	Box
460-3252	Aqua Heterotrophic Count Plates	1000/ca	Case
460-3257	Aqua Coliform Count Plates	50/bx	Box
460-3258	Aqua Coliform Count Plates	1000/ca	Case
460-3208	Aqua Yeast and Mold Count Plates	100/bx	Box
460-3211	Aqua Yeast and Mold Count Plates	1000/ca	Case
460-3218	Aqua Enterobacteriaceae Plates	50/bx	Box
460-3217	Aqua Enterobacteriaceae Plates	1000/ca	Case



3M™ PETRIFILM™ SALMONELLA EXPRESS SYSTEM

Used for the rapid qualitative detection and biochemical confirmation of *Salmonella* in enriched foods and food process environmental samples. The 3M Petrifilm SALX System consists of an unique medium for the recovery and growth of *Salmonella* species, 3M Petrifilm *Salmonella* Express Plate that provides presumptive results and the 3M Petrifilm *Salmonella* Express Confirmation Disk for a biochemical confirmation. This system utilizes 3M Food Safety's Petrifilm technology, an industry standard, and delivers an all-in-one test and biochemical confirmation method in as little as 44 hours.

Stock #	Description	Packaging	Unit
460-3536	<i>Salmonella</i> Express Petrifilm Count Plates	50/bx	Box
460-3537	<i>Salmonella</i> Express Petrifilm Count Plates	200/ca	Case
460-3538	<i>Salmonella</i> Express Confirmation Disks	5/bx	Box
460-3539	<i>Salmonella</i> Express Confirmation Disks	25/ca	Case
351-3505	<i>Salmonella</i> Enrichment Base	500g Bottle	Bottle
351-3525	<i>Salmonella</i> Enrichment Base	2.5 KG Bottle	Bottle
351-3511	<i>Salmonella</i> Enrichment Supplement	1g Vial	Vial
351-3344	Rappaport - Vassilidis R10	500g/jar	Jar



3M™ PETRIFILM™ SPREADERS

Easy-to-use tools designed to quickly and evenly distribute inoculum within the 3M Petrifilm Plate. The spreader is reusable and does not contact plating surface or sample. Clear acrylic material allows the technician to observe and control spread.



Stock #	Description	Packaging	Unit
460-3425	Flat Spreader (for Staph, RYM, SALX, RAC Plates)	2/bx	Box
460-3481	High Sensitivity Spreader (for HSCC Plates)	2/bx	Box
460-3498	Large Square Spreader (for EL Plates)	2/bx	Box

3M™ PETRIFILM™ PLATE RACK

Increases efficiency by fitting more 3M Petrifilm plates in your incubator. White epoxy finished with four durable wire racks. Fits in most incubators. Holds approximately 80 Petrifilm plates. Size: 8 x 9 x 10 cm.



Stock#	Description	Packaging	Unit
446-3350	Plate Rack	1/ea	Each

POUCHES

3M™ Dilution Pouches

Heavyweight, puncture-resistant pouches are ideal for many sample preparation and enrichment procedures. The flat bottoms allow the pouch to stand on its own, freeing the technician to work with both hands. Strong enough to use in a homogenizer. Pre-filled bags are available with or without filter.

Stock #	Description	Packaging	Unit
351-3001	Dilution Pouch w/Butterfield's Buffer , 225 mL	32/ca	Case
351-3002	Butterfield Buffer with filter, 225mL	32/ca	Case
351-3003	Butterfield Buffer, 450mL	16/ca	Case
351-3004	Butterfield Buffer 99mL	50/ca	Case



3M™ Enrichment Pouch

A convenient alternative to making and sterilizing media. 3M adds 225 mL of a variety of pre-made *Salmonella* and *Listeria* enrichment broths to stand-up pouches. The flat-bottom of these pouches ensures stability while the wire tab holds the top open to give you the advantage of "hands-free" sample addition. The pouch is constructed of a multi-laminate plastic that is puncture resistant. Each case is gamma irradiated to ensure the highest level of sterility and has a 2-year shelf life from the date of manufacture. To enrich a sample, simply stand the pouch on a flat surface. Rip off the top at the perforation and bend the wire tab toward the center to hold the pouch open. Add the sample, then place the pouch into the blender. Once blending is completed, simply fold or whirl the bag over to close twisting the ends of the tabs together to secure into place. Your enrichment pouch sample is now ready to incubate.

Stock #	Description	Pkg	Unit
351-3042	3M™ Enrichment Pouch w/ Buffered Peptone Water, 225 mL	32/ca	Case
351-3043	3M™ Enrichment Pouch w/ Buffered Peptone Water with filter, 225 mL	32/ca	Case
351-3044	3M™ Enrichment Pouch w/ Modified Buffered Pepton Water, 225 mL	32/ca	Case
351-3045	3M™ Enrichment Pouch w/ Lactose Broth, 225 mL	32/ca	Case
351-3046	3M™ Enrichment Pouch w/ Lactose Broth with Filter, 225 mL	32/ca	Case
351-3047	3M™ Enrichment Pouch w/ Tryptic Soy Broth, 225 mL	32/ca	Case
351-3048	3M™ Enrichment Pouch w/ UVM Broth, 225 mL	32/ca	Case



3M™ Enrichment Pouch with Buffered Peptone Water ISO

Buffered Peptone Water (ISO) is an enrichment media used for the recovery of microorganisms from food and environmental samples. Pre-measured with 22 mL broth. Simply place product sample in on side of the filter, homogenize to mix, incubate and then pipet out the other side of the filtered sample. The filter design allows for the flow of microorganisms but not large food particles. Solution conforms to ISO 6570 specified formulation and released in accordance with ISO 11133:2014 standard method.

Stock #	Description	Pkg	Unit
351-3088	3M™ Enrichment Pouch w/ Buffered Peptone Water ISO	32/ca	Case



3M™ Flip-Top Dilution Bottles

The handy flip-top style provides a fast, easy and reliable bottle for sample handling. Flip-top lids can be opened with one hand and the hinged lid stays open for easy sample additions. 66/case.

Stock #	Description	Packaging	Unit
351-3890	Bottles w/Butterfield's Buffer, 90 mL	66/ca	Case
351-3899	Bottles w/ Butterfield's Buffer, 99 mL	66/ca	Case
351-3669	Bottles w/Phosphate Buffer, 90 mL	66/ca	Case
351-3550	Bottles w/Phosphate Buffer, 99 mL	66/ca	Case
351-3090	Bottles w/Peptone Water, 90 mL	66/ca	Case
351-3098	Bottles w/Peptone Water, 99 mL	66/ca	Case



Questions? Call us today and talk to a 3M™ product specialist. 3M™ and Nelson-Jameson team up to provide you with time and cost savings with various options for sample preparation with dilution pouches, bottles, and enrichment procedures.

3M™ Mini Flip-Top Vials

Flip-top lids can be opened with one hand and the hinged lid stays open for easy sample additions. Cost effective alternative to in-house preparation.

Stock #	Description	Packaging	Unit
9 mL			
351-3202	Butterfield's Buffer, 9 mL	100/ca	Case
351-3005	Buffered Peptone Water, 9 mL	100/ca	Case
351-3006	Lethen Broth, 9 mL	100/ca	Case
351-3007	MRS Broth, 9 mL	100/ca	Case
351-3008	Maximum Recovery Diluent, 9 mL	100/ca	Case
10 mL			
351-3060	Lethen Broth, 10 mL	100/ca	Case
351-3061	Neutralizing Buffer, 10 mL	100/ca	Case
351-3310	D/E neutralizing Borth, 10mL	100/ca	Case
351-3059	Buffered Peptone Water, 10mL	100/ca	Case



EQUIPMENT

3M™ Incubator

This Boekel incubator designed for 3M is ideal for incubating three hundred 3M Petrifilm™ plates. This compact unit features a steel door and extra insulation. Spirit thermometer and 2 removable wire shelves are included. Volume: 0.8 cu. ft. Ambient to 70°C. Accuracy $\pm 2^{\circ}\text{C}$ at 62°C.

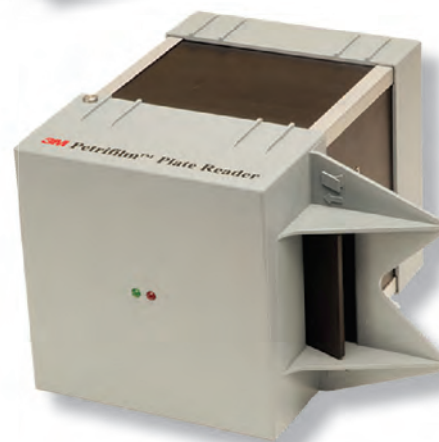
Stock #	Packaging	Unit
460-3426	1/ea	Each



3M™ Petrifilm™ Plate Reader

Provides consistent, automated reading and recording of results of 3M Petrifilm Plates (Aerobic, *Coliform*, *E. coli*/Coliform Count and Select *E. coli*) in 4 seconds, thereby increasing productivity, reducing costs and eliminating variation between lab techs. The included software displays results and color images of the plate on the computer screen, marking the colonies for easy verification. The 3M Petrifilm Plate Reader automatically exports sample results into a Microsoft® Excel® spreadsheet. The included 3M software also creates an un-editable log file which provides a historical record of data for audit purposes and enables FDA 21CFR Part 11 compliance. The log file can also be saved in text format to enable easy exporting to a LIMS or other external database.

Stock #	Packaging	Unit
460-3000	1/ea	Each



3M™ Electronic Pipettor II

Efficiency, versatility, and precision are combined into one simple, yet sophisticated tool. Pre-programmed to perform the most common dilutions and provide high accuracy and precision handling for micro-volumes of liquids. Self calibration, microprocessor-controlled system reduces the possibility of human error and instrument contamination by controlling pipetting speed, calibration, and volume selection. The pipettor is lightweight with an ergonomic design, which helps reduce the risk of repetitive strain injuries that can occur with manual pipetting. Perfect for either right or left handed users. Has 1000 cycles when fully charged. The 3M Electronic Pipettor is designed to enhance productivity, reduce the labor associated with pipetting and minimize the use of dilution blanks by performing common 3M™ Petrifilm™ Plate dilutions within the tip. Using the multi-dispense feature on the 5mL pipettor, you can plate multiple 1mL plates at once, without having to draw additional liquid. All of these features not only reduce labor but increase the productivity of your lab. This means improved efficiency and overall cost reductions which ultimately impacts and improves your facility's bottom line.

Stock #	Description	Packaging	Unit
460-3502	Electronic Pipettor, 1 mL	1/ea	Each
460-3503	Electronic Pipettor, 5mL	1/ea	Each

Electronic Pipettor Tips, 1mL

460-3484	Bulk	1000/bx	Box
460-3485	Racked	960/bx	Box
460-3486	Racked Pre-Sterilized	960/bx	Box

Electronic Pipettor Tips, 5mL

460-3487	Bulk	250/bx	Box
460-3488	Racked	500/bx	Box
460-3489	Racked Pre-Sterilized	500/bx	Box

Accessories

460-3070	Electronic Pipettor Ceramic Filter	50/pk	Pack
460-3081	Electronic Pipettor Battery	1/ea	Each
460-3544	Electronic Pipettor Autoclavable Grease	1/ea	Each



3M™ Virtua™ Protective Eyewear

Lightweight, Virtua protective eyewear combines versatility and value with high wraparound coverage. Polycarbonate lens absorbs 99.9% of UV rays. Meets High Impact Requirements of ANSI Z87.1-2003.



Stock #	Lens	Unit
196-2622	Clear Hard Coat Lens, Clear Temples	Pair - 100/case
196-2623	Clear Anti-Fog Lens, Gray Temples	Pair - 20/case
196-2641	Clear Anti-Fog Lens, Clear Temples	Pair - 100/case

3M™ Tour-Guard™ Protective Eyewear

Standard, economical Tour-Guard protective eyewear for general use offers impact protection, integral side shields and flexible, polycarbonate construction with over-the-glass coverage. Polycarbonate lens absorbs 99.9% UV. Meets High Impact Requirements of ANSI Z87.1-2010. 100 pair/case.



Stock #	Unit
196-2627	Pair



**Looking for additional
3M Safety Products?
Request a copy of our
3M Safety Flyer.**

**Call us at
800-826-8302!**

3M™ SecureFit™ Protective Eyewear

Stylish, lightweight design weighs less than 1-oz. Features proprietary 3M Pressure Diffusion Temple Technology that helps diffuse pressure over the ear to enhance frame comfort while not compromising the security of fit across a diverse workforce. Self-adjusting feature eliminates need to stock multiple frame sizes at worksites. Secure, snug fit keeps eyewear in place without slippage even when the person is in motion. Available with anti-fog or anti-scratch coating. Polycarbonate lenses absorb 99.9% UVA and UVB up to 380 nm and meet the requirements of CSA Z94.3 and ANSI Z87.1-2010. 20 pair/case.



Stock #	Lens	Unit
196-2890	Clear, Anti-Fog Lens	Pair
196-2892	Clear, Anti-Scratch Lens	Pair
196-2891	Amber, Anti-Fog Lens	Pair
196-2893	Amber, Anti-Scratch Lens	Pair
196-2741	Gray, Anti-Fog Lens	Pair
196-2740	Gray, Anti-Scratch Lens	Pair



3M™ SecureFit™ Readers Protective Eyewear

Naturally adjusts the temples to individual head sizes for a customized fit to each person. Clear anti-fog coated polycarbonate lens absorb 99.9% UV and features a reading dipoter to help workers who have difficulty reading small print or who are engaged in small detail work. Meets the requirements of CSA Z94.3-2007 and ANSI Z87.1-2010. 20 pair/case.



Stock #	Lens	Unit
196-2315	Clear, Anti-Fog, Diopter Rating: +1.5	Pair
196-2320	Clear, Anti-Fog, Diopter Rating: +2.0	Pair
196-2325	Clear, Anti-Fog, Diopter Rating: +2.5	Pair



3M™ Modul-R™ Safety Goggle

Modul-R protective splash safety goggles offer a wider viewing area, strong polycarbonate lens construction and a flexible strap to provide full profile protection. Splash shield has an adjustable venting system to minimize fog. Meets ANSI Z87.1-2003. 10 pair/case.



Stock #	Unit
196-2600	Pair

3M™ Safety Splash Goggle

One of the most economical goggle options available, model 334 protective eyewear offers indirect venting, an adjustable elastic strap, and polycarbonate construction with over-the-glass coverage. Indoor or outdoor use safety goggles. Meets the High Impact Requirements of ANSI Z87.1-2003. 10 pair/case.



Stock #	Unit
196-2620	Pair

Simply Prompt. Precise. Productive.



For 30 years, 3M™ Food Safety has been maximizing productivity in food processing and reference laboratories.

- Innovative solutions for indicator, pathogen, and hygiene monitoring testing needs.
- Easy-to-use and reliable tools for sample collection, transporting, and preparation.
- Proven performance through global validations.
- Local training and technical support.

For more information on 3M™ Food Safety Products, contact our Technical Sales Specialist at 800-826-8302.

ALLERGEN TEST KITS

Hygiena AllerFlow Gluten Surface Residue Test Kit

AllerFlow Gluten is a rapid and convenient test for detection of gluten residue on surfaces as part of an allergen control program. Combining Hygiena's convenient sample collection swab design with classic lateral flow technology, AllerFlow Gluten makes gluten testing easier than ever before. Unlike other kits that contain several components, this kit consists of two parts - a sample collection device and a lateral flow cassette. The sample collection swab device contains pre-measured extraction buffer for consistent results with minimal handling. After collection, the sample is poured directly into the lateral flow cassette fill well and results appear in 10 minutes.



Benefits:

- Convenient and quick sample collection requires minimal training.
- Pre-moistened swab enables reliable collection to ensure accurate results.
- Simple two part kit includes all required materials - no pipettes, bottles, scales or heating blocks required.
- Pre-measured, self contained extraction buffer provides consistent results.
- Easy-to-interpret lateral flow test results in 10 minutes.
- Up to 15 month shelf life at room or refrigerated temperatures (2-25°C).
- Sensitivity: Detects 5µg/swab (5ppm) gluten in 10 minutes.

Mfg Part #	Pkg	Unit	Stock#	PRICE
ALF-GL	25 tests/bx	BX	332-3500	\$294.00

Neogen® Reveal 3-D® Allergen Test Kits

Affordability and simplicity of use means Reveal tests can be implemented more regularly than typical laboratory food allergen testing. Achieve enhanced confidence in your cleaning program and product protection through increased surface sampling and testing of all critical points of the production process in "real-time." Within 10 minutes of taking a sample or food contact surfaces, you have a result. The detection level is 1 to 50 ppm. No additional equipment is needed. 10 tests/kit. #498-3099 has 20 tests/kit.

- #498-3083 is 2-D technology and detects almonds, cashews, hazelnuts, pecans, pistachios, and walnuts.



Description	Unit	Stock#	PRICE
Gluten	KT	498-3031	\$164.25
Peanut	KT	498-3041	\$164.25
Shellfish	KT	498-3081	\$164.25
Egg	KT	498-3082	\$164.25
Almond	KT	498-3086	\$164.25
Hazelnut	KT	498-3087	\$164.25
Gliadin	KT	498-3099	\$364.37
Soya	KT	498-3093	\$164.25
Total Milk	KT	498-3094	\$164.25
Mustard	KT	498-3088	\$164.25
Sesame	KT	498-3089	\$164.25
Treenut, detects 6 different nuts	KT	498-3083	\$210.00



Neogen® Reveal® Allergen Test Kits

Accurate, easy-to-use Reveal allergen kits screen samples for food allergens at 5 ppm in 10 minutes or less. If the test detects at least 5 ppm, two lines will form on the simple test device. The formation of only one line indicates a negative test result. No refrigeration necessary.

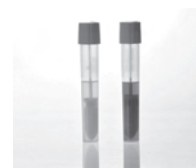
Description	Pkg	Unit	Stock#	PRICE
Milk	24 tests/kit	KT	498-3478	\$443.40
Peanut	24 tests/kit	KT	498-3438	\$443.40



Call Customer Service at 800-826-8302

ENVIRONMENTAL PATHOGEN TESTING**Salmonella Indicator Broth**

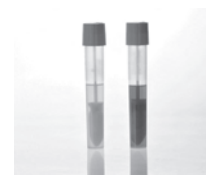
AOAC approved, PDX-SIB is intended for use in screening environmental samples for the presence of viable *Salmonella* species. Positive samples will exhibit a color change from blue to yellow if *Salmonella* bacteria is growing in the liquid media. The color indicates a presumptive positive. Just swab your surface with pre-moistened swabs of your choice, pour indicator broth into tube, incubate for 24-48 hours at 37°C, read color of sample. If presumptive positive, confirm. 25/box.



Description	Unit	Stock#	PRICE
Salmonella indicator broth	BX	512-3026	\$165.00

Listeria Indicator Broth

AOAC approved, PDX-LIB is intended for use in screening environmental samples for the presence of viable *Listeria* species. Presumptive positive samples will exhibit a color change from yellow/amber to brown/black if *Listeria* bacteria is growing in the liquid media. Just swab your surface with pre-moistened swabs of your choice, pour indicator broth into tube, incubate for 30-48 hours at 37°C, read color of sample. If presumptive positive, confirm. 25/box.



Description	Unit	Stock#	PRICE
Listeria indicator broth	BX	512-3025	\$165.00

Nelson-Jameson Learning Center

To make informed decisions in the food, dairy and beverage industries, you need to have in-depth product knowledge and a variety of educational resources. Our Learning Center is designed to help you with all that. Learn more about our following areas of expertise by visiting Nelson-Jameson's Learning Center at nelsonjameson.com/learn

- Seminars & Workshops
- Conversion Charts
- Freezable Products
- Laboratory & QA/QC
 - Hydrating 3M™ Petrifilm™ Plates
 - Listeria Prevention
 - Chloride Analyzer Instructional Videos
 - Diagnosing Foodborne Diseases
 - pH Analysis Guidelines & Practices
 - pH Electrode Conditioning
 - pH Electrode Tips
 - pH Electrode Selection Guide
 - pH Testing Tips
 - Delvotest Antibiotic Residue Testing
 - Reuniting Separated Thermometers
 - Laboratory Reagents Safety
 - Water Activity
 - Terminology

ENVIRONMENTAL PATHOGEN TESTING

Hygiena InSite™ Listeria Environmental Test



Quick and easy in-house test at an economical price. Designed to monitor the presence of common *Listeria* spp (*L. innocua*, *L. ivanovii*, *L. welshmeri*, *L. monocytogenes*) in environmental samples from food processing areas. This test indicates the presence of *Listeria* species without confirming pathogenic organisms. A color change from yellow to light brown/black in as little as 24 hours is considered presumptive positive. An incubator is required.

Pkg	Unit	Stock#	PRICE
50 tests/bx	BX	332-3118	\$315.25
100 tests/ca	CA	332-3107	\$511.87

Hygiena InSite™ Salmonella Environmental Test



A quick and easy test for the detection of *Salmonella* species (spp) in food processing environments. Contains a liquid medium formulated with selective growth enhancers and chromogenic compounds. A color change from purple to bright yellow in 24-48 hours is presumptive positive for *Salmonella* spp. InSite Salmonella is a self-contained screening test which is easy to perform while reducing wait time, labor costs, and materials. An incubator is required.

Benefits:

- Easy-to-use with no preparation steps required.
- Large sponge tip maximizes sample collection for accurate results.
- Eliminates costly outside lab fees for an equivalent test.
- Positive results in as little as 24 hours.
- Presumptive negative results in 48 hours.
- Self contained tube eliminates risk of contamination.
- Nine month shelf life at refrigerated temperatures (2-8°C).
- Sensitivity: Detects *Salmonella* species down to 1-10 CFU, even in the presence of high numbers of competing organisms.
- Interpretation: InSite Salmonella features a viewing window with a result chart for easy interpretation. Results are presumptive positive when the InSite Salmonella media turns bright yellow.

Mfg Part #	Pkg	Unit	Stock#	PRICE
IS050	50/bx	BX	332-3120	\$300.00

Hygiena Digital Dry Block Incubators

Designed specifically for Hygiena's wide variety of test devices. The incubators can be set to any temperature required for Hygiena products. Small footprint takes minimal lab bench space. Auto-stop and sound alert features help you achieve perfect incubation time, every time. Temperature stability: $\pm 0.5^{\circ}\text{C}$. Heats to max temp in less than 15 minutes. Timer range: 1 min - 99 hr 59 min. Incubator block(s) sold separately.



Description	Temp Range	Overall Dimensions (WxDxH)	Block Capacity	Unit	Stock#	PRICE
Incubators						
Small Format Incubator	Ambient +5°C-80°C	4.3" x 5.9" x 3.1"	1	EA	332-3339	\$253.12
Lab Format Incubator	Ambient +5°C-105°C	14.4" x 8.3" x 5.9"	2	EA	332-3332	\$300.00
Blocks for incubators						
For use with Small Format Incubator		12 Swab capacity		EA	332-3003	\$75.00
For use with Lab Format Incubator		35 Swab capacity		EA	332-3001	\$75.00
For use with Lab Format Incubator		15 Vial capacity		EA	332-3002	\$75.00

Call Customer Service at 800-826-8302

ATP

3M™ Clean-Trace™ NG ATP Luminometer

By using the highly sensitive and repeatable Clean-Trace NG (Next Generation) ATP Luminometer from 3M, you can be confident that the results you obtain provide a clear picture of cleaning performance. Therefore, the actions taken on the basis of the results are sound ones that can save your company time and money. In an independent study by Cara Technology Limited, four commercially available ATP bioluminescence systems were tested for repeatability of low level ATP measurement. In the study, 30 tests were performed in accordance to the manufacturer's directions. To measure repeatability, the swabs were spiked with identical amounts of ATP for each test reading. The study concluded the 3M Clean-Trace NG Luminometer and Clean-Trace Surface ATP test "was the most repeatable." This means you can be confident the 3M Clean-Trace System is providing you with reliable information to help you make the correct decisions for your plant, whereas other systems may leave you guessing. This report is available upon request. The hand held Clean-Trace NG Luminometer is highly portable, compact, and simple to use. The luminometer is supplied with a flexible data trending software that allows a variety of options, including clear identification of retest results alongside original results showing remedial actions and demonstrating due diligence. The full trend analysis capabilities include filtering, sorting, charting, and graphing make reporting a snap. The luminometer comes complete with charger and software.



Description	Unit	Stock#	PRICE
Clean-Trace NG Luminometer	EA	351-3063	\$2,987.58
Docking station for computer (optional)	EA	351-3728	\$194.70

3M™ Clean-Trace™ Surface ATP Test Swabs

With its unique liquid stable enzyme, this test offers superior levels of repeatability. This aspect of its performance and its incredible simplicity is why customers throughout the world have put Clean-Trace at the heart of their hygiene monitoring programs. Results measured in the 3M Clean-Trace NG Luminometer and provided in relative light units (RLU). Use #351-3210 Positive Control for verification (sold separately).



Pkg	Unit	Stock#	PRICE
100/ca	CA	351-3038	\$261.67
10 vials/ca	CA	351-3210	\$39.14

**3M™ Clean-Trace™ Water ATP Test Swabs**

A dedicated ATP water test that is designed to prevent sampling inaccuracy inherent in collecting a water sample with a swab. Its overall simplicity makes it a powerful addition to your hygiene program. Results measured in the 3M Clean-Trace NG Luminometer and provided in relative light units (RLU).



Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
AQF100	Water Free ATP	100/ca	CA	351-3040	\$327.60
AQT200	Water Total ATP	100/ca	CA	351-3039	\$327.60

3M™ Clean-Trace™ ATP Positive Control

The positive controls for the 3M Clean-Trace ATP Luminometer (#351-3063) can be used quickly and easily to provide a periodic verification of equipment performance. These controls can also be used for the verification of the 3M Surface Protein Allergen Swabs (#351-3062) and the 3M Surface Protein Plus Swabs (#351-3041). 10 test vials per case.



Mfg Part #	Unit	Stock#	PRICE
ATP10	CA	351-3210	\$39.14

Coming Soon! The new 3M™ Clean-Trace™ Hygiene Monitoring and Management System.

Call for details.

Hygiena EnSURE™ Luminometer



Hygiena's EnSURE monitoring system uses a single instrument to collect, analyze, and report data from multiple quality tests. Using new state of the art technology and patented designs, the EnSURE system is an easy-to-use, flexible, and accurate quality environmental monitoring system. This system tests for ATP from surface liquid samples, as well as high sensitivity ATP from surfaces. In addition to ATP, rapid microorganism tests for products and surfaces can also be done on the instrument using MicroSnap enrichment and detection devices. This unit connects to the provided SureTrend software via USB. Powered by 2 AA batteries. Find the right product for your application below.



Description	Pkg	Unit	Stock#	PRICE
Instrument				
Ensure Luminometer		EA	332-3300	\$1,595.00
Unit Calibration				
Calibration Kit	kt	KT	332-3998	\$270.83
ATP Surface Monitoring				
UltraSnap ATP Swabs	1/ea	BX	332-3111	\$193.53
Positive ATP Control	25/bx	BX	332-3400	\$68.00
ATP Water Monitoring				
AquaSnap ATP Swabs - Total	100/bx	BX	332-3210	\$225.40
AquaSnap ATP Swabs - Free	100/bx	BX	332-3178	\$225.40
High Sensitivity ATP Monitoring				
SuperSnap ATP Swabs	100/bx	BX	332-3330	\$240.07
Microorganism Detection				
MicroSnap E.coli and Coliform Enrichment Device	100/bx	BX	332-3320	\$180.00
MicroSnap E.coli and Coliform Enrichment Broth	100/bx	BX	332-3340	\$121.50
MicroSnap E.coli and Coliform Enrichment Broth	100/bx	BX	332-3350	\$121.50
MicroSnap Total TVC Enrichment Device	100/bx	BX	332-3360	\$95.00
MicroSnap Total TVC Enrichment Device	100/bx	BX	332-3370	\$87.50

Hygiena SystemSURE Plus™ Luminometer



The system SURE Plus rapid ATP sanitation monitoring system uses advanced photodiode technology and easy-to-use functionality to provide an affordable way to monitor and verify cleaning processes at your facility. Can be used for solid surfaces and liquid samples, with unprecedented accuracy and reproducibility. This unit connects to the provided SureTrend software via USB. Powered by 2 AA batteries. Find the right swab for your application below.



Description	Pkg	Unit	Stock#	PRICE
Instrument				
SystemSURE Plus luminometer		EA	332-3112	\$1,194.99
Unit Calibration				
Calibration Kit	kt	KT	332-3998	\$270.83
ATP Surface Monitoring				
UltraSnap ATP Swabs	1/ea	BX	332-3111	\$193.53
Positive ATP Control	25/bx	BX	332-3400	\$68.00
ATP Water Monitoring				
AquaSnap ATP Swabs - Total	100/bx	BX	332-3210	\$225.40
AquaSnap ATP Swabs - Free	100/bx	BX	332-3178	\$225.40
High Sensitivity ATP Monitoring				
SuperSnap ATP Swabs	100/bx	BX	332-3330	\$240.07

Call Customer Service at 800-826-8302

ATP

Hygiena Snapshot™ ATP Device for Charm Luminometers

An all-in-one, single shot device for rapid hygiene monitoring using ATP bioluminescence. Its unique liquid-stable reagent ensures unbeatable performance and reproducible results. For Charm luminometers only. An adapter is required. 100/box.



Use With	Adapter Required	Unit	Stock#	PRICE
Lightning®/MVP	Yes	BX	332-3575	\$199.00
Lum-T™, Firefly 2, LUMGiena, NovaLum, Lum-K, Firefly	Yes	BX	332-3110	\$199.00
Accessories				
Retrofit cap/adapter for Charm instruments		EA	332-3113	\$50.00

Hygiena Swab Cooler

Insulated construction keeps test devices cool when you aren't near cold storage. Wide zipper top for easy access to swabs.

Large enough to hold several bags of Hygiena swabs. Features a front zipper pocket perfect for luminometer or calibration control kit storage. Adjustable, padded shoulder strap.



Size	Unit	Stock#	PRICE
10.75"W x 9.5"H x 6"D	EA	332-3004	\$30.00

Neogen® AccuPoint Advanced® Sanitation Monitoring System

The unique design of the AccuPoint Advanced surface sampler offers greater sample precision and consistency. Unlike traditional swabs, the sampler utilizes a large surface sample pad to extract ATP from the work surface. The pad surface and vertical sampling technique allow different users to get more consistent results than flexible swabs that must be flexed and rotated. The pad covers the sample area completely, leaving virtually no gaps. Box contains four foil packets of 25 samplers each.

The AccuPoint Advanced Luminometer has 999 sites available with site name, number group and testing type (water or surface), which appear on the LCD display. Also included is Data Manager software, user guides, quick reference cards, data cable, and power cable. For use with the AccuPoint Surface Samplers.



- Intuitive symbols are used to provide a universal interface.
- All the information is entered through the Data Manager software and downloaded for permanent storage.
- User information can be selected and recorded with the testing results.
- A record count is displayed to keep track of the number of tests taken since the instrument was powered on.
- A complete self-test occurs at power-on, with the results displayed on the screen to provide you with the confidence to know the system is working as it should.
- Real-time random site selection allows randomly chosen sites to test in your facility.
- An improved USB interface makes transfer of data to and from the instrument and the Data Manager software fast and easy.
- Features radio frequency identification technology. This allows a user to create a sanitation plan and sync it to the reader. Once synced, swipe over the RFID tag, which indicates if this would be a site that is mandatory or low risk and samples are only needed randomly.

Description	Unit	Stock#	PRICE
Accupoint Advanced Luminometer w/ software	EA	498-3603	\$2,645.00
Accupoint Surface Samplers; 25 swabs/pk, 4 pk/bx	BX	498-3605	\$284.04

Prices subject to change.

ENVIRONMENTAL TEST SWABS, SPONGES & ACCESSORIES

3M™ Quick Swabs

This ready-to-use environmental swab system consists of a 5-inch rayon-tipped swab which contains letheen neutralizing buffer to facilitate recovery of bacteria. The swabs can be used wet or dry to sample surfaces and quickly deliver 1.0 mL of sample onto a 3M Petrifilm™ Plate. Handy vinyl-covered wire rack which holds up to 50 swabs is sold separately.



3M

Description	Pkg	Unit	Stock#	PRICE
3M Quick Swab	50/bx	BX	460-3432	\$74.17
3M Quick Swab	250/ca	CA	460-3434	\$286.39
Swab rack	1/bx	EA	446-3340	\$29.07

3M™ Swab-Samplers

Swab in pre-filled bottle with various diluents. Screw cap tubes filled with your choice of enrichment broth or neutralizing solution. Sample collection is easy with the attached swab, the bottles have ample head-space for sample addition and vortexing to release organisms from the swab.



3M

Description	Pkg	Unit	Stock#	PRICE
10 mL Buffered peptone water	100/ca	CA	351-3034	\$87.56
10 mL D/E Neutralizing buffer	100/ca	CA	351-3035	\$87.56
10 mL Letheen broth	100/ca	CA	351-3960	\$87.56
10 mL Neutralizing buffer	100/ca	CA	351-3036	\$87.56
1 mL Letheen broth	100/ca	CA	351-3993	\$87.56
4 mL Letheen broth	100/ca	CA	351-3307	\$87.56
4 mL Neutralizing buffer	100/ca	CA	351-3992	\$87.56
5 mL Letheen broth	100/ca	CA	351-3037	\$87.56

Hygiena Q-Swab™ Environmental Swab Collection System

Save time and money by eliminating the need for pipettes and broth preparation. Q-Swab is a ready-to-use dilution and delivery device used in the food and beverage industry for environmental surface sampling. Using patented Snap Valve™ technology, broth is released down the swab shaft, neutralizing residue sanitizers and facilitating recovery of bacteria. The sample is then ready to be poured onto media or streaked onto agar plates for culturing. Q-Swab can be used either wet or dry. 12-month shelf life. 250 swabs/box.



Description	Unit	Stock#	PRICE
Swabs w/ buffered peptone water	BX	332-3999	\$237.50
Swabs w/ letheen broth	BX	332-3200	\$242.25

3M™ EnviroSwabs

Pre-moistened with special transport medium for environmental sample collection, these swabs are designed for swabbing all types of food surfaces in the food industry. The large swab head and shaped tip efficiently collect organisms from hard-to-reach areas. The tamper-evident band and the ability to reseal the tube make this a great swab for many areas throughout the plant. Perform pre-enrichment for TECRA™ tests in EnviroSwab. (#351-3888 is a dry swab.)



3M

Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
ENVSWB25	Tecra™ EnviroSwab	25/bx	BX	351-3308	\$51.51
ENVSWB25D	Tecra™ EnviroSwab, dry	25/ca	CA	351-3888	\$51.51

Puritan EnviroMax Plus® Swabs

The over-sized sponge applicator on a stick makes these perfect for sampling surfaces or large equipment parts. It features a quick turn-open, leak-resistant cap providing you with no worries about media solution leaks or loss of past collection contents. The solution is a combination of Neutralizing Buffer and Peptone Broth.



Pkg	Unit	Stock#	PRICE
25/pk	PK	302-3990	\$49.13

Puritan Calgiswab® Applicators

Calcium alginate swabs for microbiological surface-contact procedure. Swab fibers will dissolve in 1% hexametaphosphate buffer, releasing organisms. Calcium alginate fibers and buffer will not inhibit growth of micro-organisms. Sterile, individually wrapped.



Shaft Material	Pkg	Unit	Stock#	PRICE
Wood	100/pk	PK	302-3010	\$27.06
Plastic	100/pk	PK	302-3210	\$27.77
Plastic	10 pk/ca	CA	302-3500	\$250.24

**Quality Products.
Customer Service.
Industry Expertise.
That's Nelson-Jameson, Inc.**

Call Customer Service at 800-826-8302

ENVIRONMENTAL TEST SWABS, SPONGES & ACCESSORIES**Puritan® Cotton or Polyester Tipped Applicators**

Sterile and non-sterile cotton or polyester tipped applicators with wood or plastic shaft. 6" length. All sterile swabs are individually wrapped.

Description	Tip/Shaft	Pkg	Unit	Stock#	PRICE
Sterile	Cotton/wood	2/pk, 100/bx	BX	302-3000	\$20.56
Sterile	Cotton/wood	1/pk, 100/bx	BX	302-3001	\$18.86
Non-sterile w/ pointed tip	Cotton/wood	100/bag, 10 bags/bx, 1000/bx	BX	302-3806	\$21.48
Sterile	Polyester/plastic	1/pk, 100/bx	BX	716-7006	\$22.41
Non-sterile	Polyester/wood	100/bag, 10 bags/bx, 1000/bx	BX	302-3215	\$29.57

BD CultureSwab™ Collection and Transport System

A complete ready-to-use system to collect, preserve and transport a specimen to the laboratory. The swab is a sterile, non-reactive tool for collecting organisms from surfaces. It can be removed from the transport casing without handling or contaminating the swab tip. The transport medium provides a moist, inert, protective environment to preserve the specimen. The specimen is taken via the swab, inserted into the medium of choice, and transported in the plastic casing to the laboratory.



Mfg Part #	Description	Pkg	Unit	Stock#	PRICE
220121	CultureSwab Plus Amies Gel with Charcoal, Single Swab	50/pk	PK	614-3121	\$35.34
220116	CultureSwab Plus Amies Gel without Charcoal, Single Swab	50/pk	PK	614-3570	\$30.05
220093	CultureSwab Liquid Amies without Charcoal, Single Swab	50/pk	PK	614-3093	\$29.61
220099	CultureSwab Liquid Stuart, Single Swab	50/pk	PK	614-3099	\$28.28
220144	CultureSwab EZ	100/pk	PK	614-3244	\$64.15

BD Falcon™ SWUBE™ Tube

SWUBE (swab-in-a-tube) single sterile applicator with tube. Swab remains with cap for convenient aseptic handling. Available with screw cap (16 x 150 mm tube), or friction cap (17 x 100 mm tube). Packed individually in peel-apart pouches. 200/case.



Mfg Part #	Mfg Part#	Applicator	Closure	Unit	Stock#	PRICE
14-959-70B	220210	Cotton	Screw cap	CA	207-3021	\$287.21
14-959-50B	220090	Cotton	Friction cap	CA	155-3930	\$179.83
14-959-75	220710	Polyester	Screw cap	CA	207-3020	\$269.65

**3M™ Sponge-Stick™**

The 3M Sponge-Stick allows you to sample without directly handling the sponge. It makes it easier to reach into drains, pipes and around equipment. Available in wet or dry formats with and without gloves to fit many applications. Biocide-free cellulose sponge maintains organism viability.

Mfg. Part #	Description	Pkg	Unit	Stock#	PRICE
SSL10BPW	10 mL Buffered peptone water	100/ca	CA	351-3025	\$147.31
SSL10LET	10 mL Lethen broth	100/ca	CA	351-3110	\$160.71
SSL10LETG	10 mL Lethen broth w/2 gloves	100/ca	CA	351-3026	\$173.07
SSL10NB	10 mL Neutralizing buffer	100/ca	CA	351-3995	\$148.34
SSL10DE	10 mL DE broth	100/ca	CA	351-3065	\$173.07
SSL10NBG	10 mL Neutralizing buffer w/2 gloves	100/ca	CA	351-3027	\$169.98
SSL100	Dry sponge in bag only	100/ca	CA	351-3028	\$101.98

Prices subject to change.

ENVIRONMENTAL SPONGES & POLES

3M™ Extendable Pole



Perfect accessory to use with 3M Environmental Sponge-Sticks™. Telescoping pole provides a convenient way to reach locations up to 8 feet away.

Unit	Stock#	PRICE
EA	351-3975	\$144.22

Labplas Sani-Stick

Designed to collect samples to detect the presence of microbiological contaminations on any surface. The red, pliable handle makes it possible to sample those hard to reach areas in your plant. The unique design of the handle makes it an added bonus to use; just pinch the handle and it releases the sponge into the 24-oz TWIRL-EM® bag. No need for refrigeration.



Description	Pkg	Unit	Stock#	PRICE
Sani-Stick with Letheen Broth	10/pkg, 10 pkg/ca	CA	467-3140	\$157.30

3M™ Hydra-Sponges

Sponges pre-hydrated with a variety of buffers for sample collection. Pre-moistened for convenience, durable, biocide-free cellulose maintains organism viability. 18-oz bag unless otherwise noted.

Description	Pkg	Unit	Stock#	PRICE
Dry sponge in bag	100/ca	CA	351-3300	\$83.44
10 mL Buffered peptone water	100/ca	CA	351-3029	\$118.47
10 mL Buffered peptone water w/2 gloves	100/ca	CA	351-3030	\$140.10
10 mL Letheen broth	100/ca	CA	351-3031	\$132.89
10 mL Letheen broth, w/2 gloves	100/ca	CA	351-3032	\$140.10
10 mL Neutralizing buffer	20/pk, 5 pk/ca	CA	351-3303	\$120.53
10 mL Neutralizing broth w/2 gloves	1/ea	EA	351-3302	\$2.80
10 mL Neutralizing buffer w/2 gloves	20/pk, 5 pk/ca	CA	351-3301	\$140.10
10 mL Neutralizing buffer, w/24-oz bag, 2 gloves	100/ca	CA	351-3306	\$135.98



WHIRL-PAK® Speci-Sponge® Bags

Designed for environmental surface sampling, work areas, equipment, animal carcasses, and any other place where testing for *Listeria*, *Salmonella*, *E.coli*, and other food-borne pathogens is required. Speci-Sponge bags are 18-ounce and meet the criteria stated in the Compendium of Methods for the Microbiological Examination of Foods regarding sponge contact methods, by providing a sterile plastic bag to place the sample for transportation to the lab. Pre-moistened sponges contain neutralizing buffer with sodium thiosulfate to neutralize residual chlorine sanitizer. Choose bags without buffer and add letheen broth diluent (#443-3002). Simply open bag, moisten 1-1/2" x 3" sponge with either buffer or diluent, wipe surface to obtain sample, reseal bag, and send to the laboratory. 100/box.

Nasco
Dedicated to Delivery



Mfg Part #	Description	Unit	Stock#	PRICE
B01245	Speci-Sponge bags with dry sponge	BX	486-3189	\$84.00
B01392	Speci-Sponge bags with dry sponge and sterile gloves	BX	486-3392	\$175.12
B01423WA	Pre-Moistened Speci-Sponge bags with sterile gloves	BX	486-3423	\$229.73
B01422WA	Pre-Moistened Speci-Sponge bags	BX	486-3422	\$187.01

Call Customer Service at 800-826-8302

ENVIRONMENTAL SPONGES & POLES**WHIRL-PAK® Sponge Probe**

Nasco
Dedicated to Delivery

Designed for environmental surface sampling this sponge works well for those hard-to-reach areas. The sponge adheres to a holder that is screwed onto a handle. Both the sponge and handle are sterile. The polypropylene sponge and handle fit inside the 24-oz, write-on, Whirl-Pak bag. To use, add the buffer of your choice to the bag to hydrate the sponge. Once sampling is completed, simply insert the sponge back into the bag, unscrew the handle and discard, close and send into the lab for testing. 50/box.

Mfg Part #	Capacity	Unit	Stock#	PRICE
B01475WA	24-oz	BX	486-3076	\$103.28

NASCO Sponge Pole

Nasco
Dedicated to Delivery

If sampling procedures require testing surfaces that are difficult to reach such as window ledges, light fixtures, air vent ducts, etc, the Nasco Sponge Pole will make the job easier, safer and more efficient. The adjustable aluminum pole is 6 feet long and extends to 10 feet. To use: autoclave the sponge holder and screw it on the end of the pole without touching the metal sponge clamp. Hydrate the sponge if necessary, squeeze out any excess liquid, and with a sterile gloved hand, insert the sponge in place on the end of the holder. Extend the pole to your required length, wipe the surface with the sponge, shorten the pole, remove sponge, place it in the Whirl-Pak® bag, and send to the lab for testing. Pole includes pack of 10 sterile sponges.

Unit	Stock#	PRICE
EA	486-3457	\$93.54

WHIRL-PAK® 1-Ply Composite Tissue Bag

Wipe your food contact surface with the new Whirl-Pak 1-ply composite tissue and bag when even less than 10 microorganisms is a concern. The 1-ply sheet has a high surface area to volume ratio, which allows nearly total release of captured bacteria, yeast and molds. Add as little as 5 mL's of whatever buffer or broth you choose to moisten the tissue, take it out of the bag with a gloved hand, then wipe to sample a surface, place back in bag, twist down to seal and return to the lab for testing.

Recent studies have shown this 1-ply composite tissue method to be an effective, low-cost alternative to other surface sampling methods. For further cost reduction, several tissues can be composited and enriched in one bag. Several studies: J. Food Prot. 67:2212-2217 and 70:1263-1266 have shown improved quantitative recovery of *Listeria monocytogenes* and indicator organisms from food contact surfaces and poultry-processing environments. 100/bx.

Nasco
Dedicated to Delivery



Mfg Part #	Unit	Stock#	PRICE
B01548WA	BX	486-3190	\$97.48

Let us assist you in suggesting the appropriate buffer/broth to use for your plant environmental program.

AIR SAMPLING

RCS® Air Sampler

Air is the most overlooked source of contamination in food plants. Yet, airborne microorganisms frequently cause reduced shelf life, flavor defects, and spoilage. The result for food processors: lost profit.

With the RCS Air Sampler, processors can detect air quality problems days, or even weeks, before typical sampling methods. Problems are prevented before they result in lost income or reduced consumer confidence. Air exposure plates are traditionally used to monitor air quality. Yet results tend to be inconsistent and difficult to reproduce. Significant changes in air quality are hard to detect. One reason is that aerosolized bacteria remain suspended for hours while plates are typically exposed for only 15 minutes. Another reason is the variability of air currents in plants. The RCS Air Sampler provides accurate, reproducible results. It samples air at precisely 40 liters/minute. Samples are representative and comparable day-to-day, and because microorganisms can be collected on either Tryptic Soy or Rose Bengal media, air may be sampled for bacteria, yeast, or mold. The unit features:

- LED panel for easy selection of sampling times.
- Electronically controlled sampling interval/air volume.
- Lightweight, portable design, which is easy for technicians to carry on routine plant inspections.
- Low battery and blade obstruction warning light.
- Samples collected on agar-coated strips are incubated and counted using conventional equipment and techniques. No need for retraining.
- Agar strips available. Or, pour your own.
- Accepted by leading authorities. Users include: USDA, FDA, NASA and the health care industry.

HOW IT WORKS

The RCS Air Sampler pulls air in from a distance of at least 40 cm by means of an impeller. Air enters the impeller drum concentrically, in a conical form. It is set in rotation, and the particles it contains are impelled by centrifugal force onto a plastic strip containing a culture medium. Air leaves the drum in a spiral from around the outside of the cone of incoming air, without contaminating it. After collecting the sample, the agar strips are incubated and the colonies counted. Because the RCS Air Sampler draws precisely 40 liters of air/minute, the detected number of colonies can be calculated per unit volume of air. Results are plotted daily on statistical run charts in order to establish a picture of typical microbial populations in each location. Corrective actions may be taken immediately as counts rise above baseline values.

Typical Applications:

- Packaging rooms.
- Processing areas.
- Air intakes.
- HEPA filter efficiency.
- Starter rooms.
- Air for blowdowns.
- Bacti-labs.
- Entrance areas.
- Coolers.

Air Sampler Specs:

Weight: 2.5#.
Length: 13.5 in.
Impeller RPM: 4096 \pm 2%.
Noise Level: 49 dB.
Sampling Rate: 40 L/min.
Sample Interval: 0.5, 1, 2, 4, or 8 min.
Power: 4 standard D cells.
Auto Shut-off: after 4 min. of non-use.
Blades & Drum: steam sterilizable.



Description		Use	Unit	Stock#	PRICE
Air Sampler					
RCS Air Sampler w/case and manual			EA	080-3002	\$4,014.94
Agar Strips					
Tryptic Soy agar strips, 50/bx		Total count	BX	080-3026	\$112.00
Total Count agar strips with lecithin, Tween 80 and supplements, 50/bx		Ultra clean environments	BX	080-3029	\$112.00
Rose Bengal agar strips, 50/bx		Yeasts & molds	BX	080-3032	\$112.00
Sabouraud-Dextrose agar strips, modified, 50/bx (for higher yield compared with YM)		Yeasts & molds	BX	080-3030	\$112.00
DG-18 agar strips, 25/bx		Dry locations	BX	080-3031	\$87.00
MacConkey agar strips, 25/bx		Coliforms & enteric bacteria	BX	080-3000	\$87.00
Blank Air Sampler strips, sterile, 50/bx		Plate your own media	BX	080-3028	\$88.00
Accessories					
Floor plate (10 cm diameter)			EA	080-3005	\$87.00
Calibration set			EA	080-3009	\$208.00
Impeller blade assembly			EA	080-3014	\$165.00
Impeller drum			EA	080-3015	\$388.00
Tripod			EA	080-3006	\$361.00

Call Customer Service at 800-826-8302

AIR & WATER TESTING

RCS® High Flow Air Sampler

The Biotest High Flow Microbial Airborne Sampler measures bacteria, yeasts, and molds present in the air. Used as a tool to certify and monitor air quality in processing areas. Meets requirements of FDA, GMP, USP, and ISO 14698. System technology is centrifugal based sampling, used with Biotest HYCON agar strips to collect particles. Features 100 liter/minute flow rate with seven preset volumes and three user-definable settings. Ergonomic keypad positioning, delayed sample time, high resolution display, vertical or horizontal operation. Includes two rechargeable batteries, rotor, protective cap, RCS Management Software, serial cable, carry case, and Bluetooth module for wireless data to an external PC.



Description	Use	Pkg	Unit	Stock#	PRICE
Air Sampler					
RCS High Flow Air Sampler			EA	080-3216	\$6,005.00
Agar Strips					
Tryptic Soy	Total count	50/bx	BX	080-3026	\$112.00
Rose Bengal	Yeasts & molds	50/bx	BX	080-3032	\$112.00

WHIRL-PAK® Thio Bags®

Designed for sampling chlorinated water. EPA approved, and contain 10 mg of active sodium thiosulfate to neutralize chlorine at the time of collection. White write-on stripe. Marking at 100 mL to aid in the collection of the correct amount of water by Standard Methods. 100/box.



Mfg Part #	Capacity	Size	Mils	Unit	Stock#	PRICE
B01040WA	100 mL	3" x 7.25"	2.25	BX	486-3012	\$21.91
B01254WA	300 mL	4.5" x 9"	2.50	BX	486-3254	\$45.98

Coliscan Water Testing Easygel® Kit

Tests for E.coli and other coliforms in water. Coliscan media has a patented combination of color producing chemicals and nutrients that indicate coliforms and E.coli by producing different colors making identification and isolation easy. When testing a water sample it is added to the medium, which is poured into the prepared petri-dishes and incubated for 24-48 hours. E.coli will produce purple-blue colonies, while the coliform bacteria will grow as pink-magenta colonies. 50 tests/kit.



Unit	Stock#	PRICE
KT	434-3017	\$90.81

Capitol Vial Water Sample Vials

Ideal for sampling wells or tap water. Meets EPA requirements that sample containers be sterile, have a 100 mL fill line, and contain sodium thiosulfate to neutralize residual chlorine. Factory-sealed. Lock-top feature allows for incubation of sample. 200/case.

Description	Capacity	ID	Length	Unit	Stock#	PRICE
4-oz, High clarity	120 mL	43 mm	90 mm	CA	170-3254	\$45.35

PALL LIFE SCIENCES Magnetic Filter Funnel

Designed for the vacuum filtration of liquids, and especially useful for potable water testing using the Membrane Filter (MF) technique.

- No-leak magnetic seal allows one-hand operation.
- Polyphenylsulfone construction is compatible with anti-foaming agents and many other solvents.
- Convenient, 150 mL size allows for easy fit into small autoclaves and 300 mL size is ideal for larger samples.
- Sturdy and safe construction provides durability and added safety at a cost less than most glass funnels.
- Easy filter retrieval with forceps access point.
- Graduated at 50 mL increments for accurate sample measurement.



Capacity	Unit	Stock#	PRICE
150 mL	EA	254-3247	\$269.65
300 mL	EA	254-3361	\$300.76

Prices subject to change.

LABORATORY REAGENTS

Laboratory Reagents

Welcome to the largest collection of reagents assembled exclusively for food & dairy testing laboratories. It includes items you use every day plus hard-to-find & specialty items. Nelson-Jameson makes it easy for you—the food processor—to find what you need. Because we list only things you might use, you won't have to sort through pages of reagents intended for things such as electron microscopy and biomedical research, thereby saving you a lot of time and trouble. Many other items are available upon special request.

SAFETY

Reagent chemicals should be handled only by qualified individuals trained in laboratory procedures and familiar with their potential hazards. "Right to Know" laws make it mandatory that anyone handling a hazardous substance be informed of the health hazards and safety precautions associated with that chemical.

Safety Data Sheets (SDS) are provided by Nelson-Jameson as required by OSHA's Hazard Communication Law for products designated as hazardous. Our automated system assures that you will receive a SDS with your first purchase of that hazardous item. You may also contact us to request SDS information on any of our products you are currently using. The absence of a warning, however, must not be interpreted as an indication of safety.

SHIPPING

Reagent chemicals are often costly to ship due to special handling requirements or DOT restrictions. We make every effort to utilize the most cost-effective method to safely ship reagents to you. Feel free to consult us about specific situations.

If temperatures are extreme, temperature-sensitive products are shipped early in the week to avoid transit on weekends. If you do require shipment when cold or heat damage might occur, we will use insulated containers and/or select qualified carriers. There will be an additional charge for this.

Hazardous Material shipping restrictions vary by carrier, product, container type, and amount. Air service is more restrictive than ground service. Please make this a consideration as you plan your order.

RETURNS

Please order reagents carefully. We cannot always accept returns of reagents. Reasons may relate to shelf life, temperature- or light-sensitivity, the necessity for absolute purity, or the reagent's hazardous nature. We do warrant that products meet specifications and will correct errors made by us or our suppliers. (See our Returns Policy.) Call us if you have any problems with the product you receive.

Description	Additional Information	Size	Pkg	Unit	Stock#	PRICE
A						
Acetic Acid, Glacial	99.7%; ACS	500 mL	4/ca	CA	131-3001	\$159.22
Acetic Acid, Glacial	99.7%; ACS	2.5 L	4/ca	CA	131-3015	\$113.21
Acetic Acid, Glacial	99.5-100.5%; USP/FCC	19 L	-	PK	131-3020	\$159.22
Acetone	99.5%; ACS	500 mL	6/ca	BO	131-3014	\$16.59
Acetone	99.5%; ACS	4 L	4/ca	BO	154-3015	\$50.57
Acetone	99.5%; ACS	20 L	-	DR	131-7015	\$129.34
Acid Detergent Fiber (ADF)	Forage Fiber Analysis	933 mL	3 btl/s/kit	KT	131-7017	\$87.41
Acid Alcohol	5% V/V Hydrochloric Acid in 95% Denatured Alcohol	4 L	-	GA	617-3260	\$97.87
Alkaline Iodide-Sodium Azide	APHA; for BOD procedures	1 L	6/ca	BO	154-3030	\$206.50
Ammonium Chloride	Crystalline; ACS	500 g	6/ca	BO	220-3008	\$82.99
Ammonium Hydroxide	28-30%; ACS	2.5 L	6/ca	BO	131-3074	\$29.94
Ammonium Hydroxide	26° Baume; Foss 90, 27-30% W/W, NF/FCC	2.5 L	-	BO	154-3050	\$74.14
Ammonium Nitrate	Granular; ACS	500 g	6/ca	BO	131-7013	\$23.02
B						
Boric Acid	Granular; ACS	2.5 kg	4/ca	BO	131-3303	\$83.47
Brilliant Green Biological Stain	Certified	25 g	-	JR	154-3884	\$80.49
Bromocresol Purple (BCP)	0.04%; pH 5.3 to 6.8	500 mL	-	BO	154-3125	\$27.03
n-Butyl Alcohol (1-Butanol)	99.4%; ACS	500 mL	6/ca	BO	131-3510	\$36.45
n-Butyl Alcohol (Butanol)	Neutralized	1 qt	-	BO	534-3130	\$20.33
n-Butyl Alcohol (Butanol)	Neutralized	1 gal	-	GA	534-3131	\$42.47

Call Customer Service at 800-826-8302

LABORATORY REAGENTS

Description	Additional Information	Size	Pkg	Unit	Stock#	PRICE
C						
Calcium Chloride, Dihydrate	Powder; ACS	500 g	6/ca	BO	131-3022	\$21.86
Chlorophenol Red	Water Soluable	5 g	-	EA	154-3000	\$47.77
Cupric Sulfate	Anhydrous; Certified	500 g	6/ca	JR	220-3107	\$357.10
D						
Distilled Water		1 gal	6/ca	CA	330-3005	\$10.15
E						
EDTA	99.4-100.5%; ACS	500 g	6/ca	BO	131-3241	\$62.87
EQA Solution	To analyze homogenization efficiency	-	6 vials/ bx	BX	063-7036	\$351.70
Ethidium Bromide	Baker	1 g	-	JR	154-3270	\$75.66
Ethyl Alcohol	Denatured; Proprietary	500 mL	6/ca	BO	154-3283	\$44.56
Ethyl Alcohol	Denatured; 95% Ethyl Alcohol	4 L	-	EA	154-3033	\$55.80
Ethyl Alcohol	Reagent 3A; 90% Ethyl; 5% Isopropyl; 5% Methyl	4 L	4/ca	BO	154-3280	\$38.88
Ethyl Alcohol	Denatured; 90% Ethyl, 5% Methyl, 5% Isopropyl	4 L	-	BO	154-3282	\$127.72
Ethyl Alcohol	Reagent 3A; 90% Ethyl; 5% Isopropyl, 5% Methyl	4 L	4/ca	CA	131-3280	\$106.66
Ethyl Alcohol	Denatured; 90% Ethyl, 5% Methyl, 5% Isopropyl	4 L	4/ca	CA	220-3284	\$403.73
Ethyl Alcohol	Anhydrous, Denatured, SDA grade	500 mL	-	BO	131-3356	\$27.89
Ethyl Ether	ACS	3.8 L	-	TN	154-3262	\$73.58
Ethyl Ether, Anhydrous	ACS (Absolute); for fat extraction	950 mL	6/ca	BO	131-3945	\$40.12
Ethyl Ether, Anhydrous	ACS (Absolute); for fat extraction	4 L	-	CN	131-3260	\$74.32
Ethyl Ether, Anhydrous	ACS (Absolute); for fat extraction	4 L	-	BO	056-3811	\$135.52
Ethyl Ether, Anhydrous	ACS (Absolute); for fat extraction	20 L	-	CN	154-3261	\$179.73
F						
Ferric Ammonium Sulfate	Saturated Aqueous	500 mL	-	BO	617-3125	\$49.59
Ferric Chloride	0.025% solution	1 L	6/ca	BO	154-3315	\$118.18
G						
Glycerin	ACS	500 mL	-	BO	220-3135	\$34.52
Glycerin	Anhydrous ACS	500 mL	-	BO	131-3064	\$20.72
H						
Hydrochloric Acid	36.5 to 38%; ACS	500 mL	-	BO	154-3384	\$71.31
Hydrochloric Acid	36.5 to 38%, ACS	3.8 L	-	BO	131-3311	\$42.66
Hydrochloric Acid	36.5 to 38%	2.5 L	-	BO	131-3076	\$40.22
Hydrochloric Acid	0.1N (N/10)	1 L	-	BO	131-3137	\$19.41
Hydrochloric Acid	0.1N (N/10)	1 L	6/ca	CA	131-3752	\$101.40
Hydrochloric Acid	0.1N (N/10)	3.8 L	4/ca	CA	131-3875	\$108.23
Hydrochloric Acid	0.1N (N/10)	10 L	-	EA	220-3166	\$150.57
I						
Indicator (Phenolphthalein)	ACS	100 g	-	JR	154-3728	\$76.08
Indicator (Phenolphthalein)	1% in Methanol; Acid Degree Value Test	4-oz	-	BO	154-3731	\$8.27
Indicator (Phenolphthalein)	1% in 95% ethyl alcohol	60 mL	-	BO	131-3060	\$7.52
Indicator (Phenolphthalein)	1% in 95% ethyl alcohol	60 mL	6/ca	CA	131-3061	\$32.40
Indicator (Phenolphthalein)	1% in 95% ethyl alcohol	500 mL	-	BO	131-3070	\$14.24
Indicator (Phenolphthalein)	1% in 95% ethyl alcohol	500 mL	6/ca	CA	131-3071	\$43.78
Indicator (Phenolphthalein)	1% in 95% Alcohol	1 L	-	BO	131-7006	\$11.74
Isoamyl Alcohol	Gerber Test; 0.814 to 0.816 specific gravity	1 qt	-	BO	534-3087	\$50.76
Isopropyl Alcohol (2-Propanol)	ACS	500 mL	6/ca	CA	131-3086	\$97.07
Isopropyl Alcohol (2-Propanol)	ACS - Poly bottle	4 L	4/ca	CA	131-3989	\$124.29
Isopropyl Alcohol (2-Propanol)	ACS - Amber bottle	4 L	-	BO	131-3501	\$47.45
Isopropyl Alcohol	70%; USP	3.8 L	-	BO	131-3500	\$27.38
Isopropyl Alcohol	70%; USP	3.8 L	4/ca	CA	131-3502	\$92.77
K						

Prices subject to change.

LABORATORY REAGENTS

Description	Additional Information	Size	Pkg	Unit	Stock#	PRICE
Kjeldahl Tablets TT-35	3.5g K ₂ SO ₄ + 0.1g CuSO ₄ +0.1g TiO ₂	-	1000 tablets/ pk	PK	220-3168	\$559.55
Kjel-sorb TM Solution	Saturated Boric Acid Solution	20 L	Polypack	EA	220-3165	\$112.07
L						
Lactic Acid	20 PCT, W/V	500 mL	-	EA	220-3401	\$225.00
L-Cysteine Hydrochloride Monohydrate	99%	25 g bottle	-	EA	373-3421	\$38.58
M						
Magnesium Chloride Hexahydrate	Crystal; ACS, MgCl ₂ +6 H ₂ O	500 g	-	JR	154-3496	\$30.77
Magnesium Sulfate	98.0 to 102%; Crystal, ACS	500 g	-	JR	154-3500	\$146.72
Methyl Alcohol	99.8% Anhydrous; ACS	500 mL	-	BO	131-3550	\$13.10
Methyl Alcohol	99.8% Anhydrous; ACS	500 mL	6/ca	CA	131-3551	\$61.57
Methyl Alcohol	99.8% Anhydrous; ACS	4 L	-	BO	131-3552	\$27.18
Methyl Alcohol	99.8% Anhydrous; ACS	4 L	4/ca	CA	131-3553	\$75.65
Methyl Alcohol	99.8%; ACS	500 mL	-	BO	154-3553	\$27.45
Methyl Alcohol	99.8%; Certified ACS	500 mL	6/ca	CA	220-3506	\$110.85
Methyl Alcohol	99.8%; ACS	4L	-	BO	154-3552	\$29.86
Methyl Alcohol	Phosphatase testing	1 qt	-	BO	534-3132	\$13.43
Microtabs II (Bronopol Preservative)	For 2-oz Milk sample	800/pk	-	PK	166-3087	\$17.77
Methylene Blue Stain, LW/NL-X	Xylene	1 qt	-	BO	534-3183	\$61.03
Methylene Blue Stain, LW/NL-CT	Canadian/tetrachlorethane	500 mL	-	BO	131-3225	\$112.99
Methylene Blue Stain, LW/NL-CT	Canadian/tetrachlorethane	1 pint	-	BO	534-3225	\$103.63
Mineral Oil	Heavy Duty, USP-35	1 gal	-	GA	483-3626	\$36.60
N						
Neutral Detergent Fiber (NDF)	Solution (Fibersol-T)	20 L	-	EA	131-7016	\$92.44
Nitric Acid	68-70%; ACS	500 mL	-	BO	131-3650	\$32.24
Nitric Acid	68-70%; ACS	2.2 L	6/ca	CA	131-3656	\$179.02
Novobiocin Sodium Salt		1 g	-	EA	220-3407	\$62.53
P						
Petroleum Ether	35-60°C; ACS	950 mL	-	BO	131-3035	\$27.06
Petroleum Ether	35-60°C; ACS	4 L	-	TN	131-3721	\$76.28
Petroleum Ether	35-60°C; ACS	20 L	-	CN	154-3720	\$196.29
Phosphate Buffer	pH 7.2; APHA; for BOD	1 L	-	BO	220-3702	\$79.83
o-Phosphoric Acid	85%; ACS	500 mL	-	BO	154-3740	\$93.53
o-Phosphoric Acid	85%; ACS	2.5 L	-	BO	220-3741	\$112.52
Potassium Chloride	Saturated Solution	1 L	-	BO	131-3760	\$28.78
Potassium Chloride	ACS; Crystal	500 g	-	JR	131-3754	\$15.91
Potassium Chromate	5% (w/v) Aqueous, APHA; for Chloride	500 mL	-	BO	154-3755	\$43.02
Potassium Citrate	Crystal; Certified	500 g	-	JR	220-3185	\$76.82
Potassium Dichromate	Crystal; ACS	500 g	-	JR	154-3758	\$265.93
Potassium Hydrogen Phthalate	Primary (acidimetric) standard, ACS	500 g	-	JR	154-3765	\$254.95
Potassium Hydroxide	0.02N in Methanol	1 L	-	BO	617-3176	\$27.28
Potassium Hydroxide	Pellets; Certified ACS	500 g	-	JR	154-3763	\$78.08
Potassium Iodide	Granular; ACS	100 g	-	JR	154-3766	\$94.61
Potassium Iodide	Granular; ACS	125 g	-	BO	131-3055	\$46.45
Potassium Permanganate	5% (w/v) APHA	500 mL	-	BO	617-3160	\$26.19
Potassium Permanganate	ACS; Crystal	500 g	-	BO	131-3764	\$52.98
Potassium Phosphate	Monobasic; ACS; Crystal	500 g	-	EA	131-3767	\$24.75
Potassium Sorbate	99 PCT	1 kg	-	EA	220-3404	\$124.41
Potassium Thiocyanate	0.1N (N/10)	1 L	-	BO	617-3163	\$44.77
1-Propanol (n-Propyl Alcohol)	Certified	1 L	-	BO	220-3164	\$68.85
1-Propanol (n-Propyl Alcohol)	Certified	500 mL	-	BO	154-3775	\$55.51
1-Propanol (n-Propyl Alcohol)	Certified	4 L Safe Tin	-	TN	154-3777	\$281.48
1-Propanol (n-Propyl Alcohol)	Certified	4 L Safe Tin	4/ca	CA	220-3100	\$749.61
2-Propanol (Isopropyl)	ACS	500 mL	-	BO	131-3085	\$15.92

Call Customer Service at 800-826-8302

LABORATORY REAGENTS

Description	Additional Information	Size	Pkg	Unit	Stock#	PRICE
2-Propanol (Isopropyl)	ACS	500 mL	6/ca	CA	220-3507	\$238.41
2-Propanol (Isopropyl)	ACS	20 L	-	TN	131-3314	\$138.77
R						
Red Reader	Glymol; for Babcock Fat Test	1 qt	-	BO	154-3790	\$19.15
S						
Silica Sand	White	5# bag		BG	699-3005	\$4.53
Silver Nitrate	0.014N Solution; APHA; Certified	1 L	-	BO	220-3110	\$116.71
Silver Nitrate	0.017N; Solution	4 L	-	BO	131-3820	\$91.62
Silver Nitrate	0.1N (N/10); Solution	1 L	-	BO	131-3819	\$78.34
Silver Nitrate	0.1N (N/10); Solution	1 L	6/ca	CA	131-3818	\$343.84
Silver Nitrate	0.1N (N/10); Solution	4 L	-	BO	131-3484	\$276.69
Silver Nitrate	0.171N; Solution	500 mL	-	EA	131-7002	\$65.88
Silver Nitrate	0.171N; Solution	1 L	-	BO	154-3823	\$199.31
Silver Nitrate	0.1N (N/10) Solution; Certified	1 L	-	BO	154-3820	\$210.24
Silver Nitrate	0.171N; Solution	1 L	6/ca	CA	131-3823	\$711.43
Sodium Carbonate	Anhydrous; For Acid Neutralization	2.5 kg	jar	JR	131-3121	\$34.32
Sodium Chloride	Crystal; ACS	500 g	-	JR	220-3840	\$34.51
Sodium Citrate	Granular; Certified	500 g	-	JR	154-3830	\$30.36
Sodium Citrate Dihydrate	Granular; Certified	10 kg	-	PA	154-3832	\$413.96
Sodium Phosphate Dibasic	Anhydrous; Granular	500 g	-	JR	220-3188	\$126.63
Sodium Hydroxide Calibration Solution	0.1N Potassium Hydrogen Phthalate	500 mL	-	BO	131-3825	\$19.11
Sodium Hydroxide Calibration Standard	0.1N Potassium Hydrogen Phthalate	500 mL	6/ca	CA	131-3826	\$79.56
Sodium Hydroxide (Neutralizer)	0.1N (N/10); for titratable acidity	1 L	-	BO	131-3083	\$9.90
Sodium Hydroxide (Neutralizer)	0.1N (N/10); for titratable acidity	1 L	6/ca	CA	131-3082	\$36.59
Sodium Hydroxide (Neutralizer)	0.1N (N/10); for titratable acidity	1 gal	4/ca	CA	131-3081	\$26.57
Sodium Hydroxide (Neutralizer)	0.1N (N10); for titratable acidity	3.8 L	-	EA	131-3583	\$23.47
Sodium Hydroxide	Pellets; Certified ACS	3 kg	-	JR	220-3849	\$245.93
Sodium Hydroxide	Pellets; Certified ACS	10 kg	-	JR	220-3848	\$425.23
Sodium Hydroxide	40% (w/w) Aqueous Solution	20 L	-	EA	131-3089	\$109.45
Sodium Hydroxide	50% Solution; Reagent; Kjeldahl	4 L	-	EA	131-3855	\$51.92
Sodium Hydroxide	40% w/w; Kjeldahl	10 L	Polypak	EA	220-3178	\$239.93
Sodium Hydroxide	50% Solution; Reagent; Kjeldahl	20 L	-	PK	154-3857	\$117.52
Sodium Hydroxide	1.00N	1 L	-	EA	131-3852	\$11.75
Sodium Hydroxide	1N Solution, Certified	3.8 L	-	BO	131-3613	\$24.64
Sodium Hydroxide	1N Solution, Certified	3.8 L	4/ca	CA	131-3961	\$73.53
Sodium Hydroxide	10N Solution; Kjeldahl; Certified	1 L	-	BO	154-3851	\$28.02
Sodium Hydroxide Pellets	97.0% ACS	500 g	6/ca	CA	131-3183	\$101.06
Sodium Hydroxide Pellets	97.0% ACS	500 g	-	JR	131-3184	\$29.30
Sodium Lactate Syrup	60 PCT, W/V	500 mL	-	JR	154-3947	\$140.02
Sodium Thiosulfate	0.010N (N/100)	1 L	-	BO	617-3175	\$22.64
Sodium Thiosulfate	0.010N (N/100)	3.8 L	-	BO	131-3026	\$29.59
Sodium Thiosulfate	Crystal; Certified ACS	500 g	-	JR	154-3880	\$74.87
Sodium Thiosulfate	0.025 (N/40) Solution; Certified	1 L	-	BO	154-3882	\$43.51
Starch Solution	Stabilized, 1%	1 L	-	BO	716-3863	\$24.90
Sulfuric Acid	0.200 N	20 L Cube	-	PK	131-3763	\$80.40
Sulfuric Acid	Babcock Test; 1.820-1.830 specific gravity	1 L	-	BO	131-3893	\$9.08
Sulfuric Acid	Babcock Test; 1.820-1.830 specific gravity; DOT shipper	2.2 L	-	BO	131-3895	\$25.14
Sulfuric Acid	Babcock Test; 1.820-1.830 specific gravity; DOT shipper	2.2 L	4/ca	CA	131-3899	\$75.13
Sulfuric Acid	Babcock Test; 1.820-1.830 specific gravity	3.8 L	4/ca	CA	131-3894	\$62.64

Prices subject to change.

LABORATORY REAGENTS

Description	Additional Information	Size	Pkg	Unit	Stock#	PRICE
Sulfuric Acid	Babcock Test, 66°, 1.835 specific gravity; DOT shipper	1 L	-	BO	131-3008	\$8.96
Sulfuric Acid	Babcock Test, 66°, 1.835 specific gravity	3.8 L	4/ca	CA	131-3011	\$60.36
Sulfuric Acid	Gerber Ice Cream Test, Special dilution for test	1 gal	-	GA	534-3105	\$54.60
Sulfuric Acid	Gerber Milk Test, 1.820-1.825 specific gravity	3.8 L		BO	131-3400	\$30.35
Sulfuric Acid	Gerber Milk Test, 1.820-1.825 specific gravity	3.8 L	4/ca	CA	131-3401	\$105.31
Sulfuric Acid	95 to 98%; 1.840 specific gravity; ACS	2.5 L	4/ca	CA	131-3898	\$98.99
Sulfuric Acid	95 to 98%; 1.840 specific gravity; ACS	2.5 L	-	BO	131-3896	\$44.26
Sulfuric Acid	95 to 98%; 1.840 specific gravity; ACS	3.8 L	4/ca	CA	131-3897	\$97.82
Sulfuric Acid	1.0 N	1 L	-	BO	131-3778	\$18.75
T						
L-Tartaric Acid	ACS; Crystal	500 g	-	BO	131-3906	\$21.88
Trichloroacetic Acid	ACS; Crystal	500 g	-	JR	131-3385	\$54.29
Triton X-100®	Wetting agent	500 mL	-	BO	154-3920	\$25.55

M926 Chloride Analyzer Supplies

Chloride Standard

100 mL bottle.

Use for Model	Unit	Stock#	PRICE
M926	BO	780-3750	\$11.48
925/M926S	BO	780-3756	\$11.48

M926 Chloride Analyzer Supplies

Combined Acid Buffer

500 mL bottle. Use with the Nelson-Jameson M926 Chloride Analyzer System.

Use for Model	Unit	Stock#	PRICE
M926/M926S	BO	131-3751	\$21.95

Aquastar™ Karl Fischer Reagent

For volumetric titrations. Solution is pyridine-free to reduce odor problems.

Description	Size	Pkg	Unit	Stock#	PRICE
Aquastar Water/Methanol (1 mL = 5 mg H ₂ O) Standard	1 L	6 btl/ca	BO	373-3009	\$110.35

LIQUID

1 mL = 1000 µL (microliters)
 500 mL = 16.907 fl. oz. (fluid ounces)
 1 L = 1,000 mL, 1.057 quart, 0.264 gal.
 2.3 L = 2.430 quarts
 2.5 L = 2.642 quarts
 3.8 L = 4.015 quarts
 4 L = 4.227 quarts
 20 L = 5.283 gallons
 1 fl. oz. = 29.573 mL
 1 pint = 473 mL, 0.47 L
 1 quart = 32 fl. oz., 946 mL, 0.946 L
 1 gallon = 128 fl. oz., 3.785 L

VOLUME

1 cu. in. = 16.39 cc
 1 cc = 0.061 cu. in.
 1 cu. ft. = 0.03 cu. meter
 1 cu. yd. = 0.76 cu. meter

WEIGHT

1 g = 0.035 oz.
 100 g = 3.527 oz.
 500 g = 17.637 oz., 1.102 lb
 1 kg = 2.205 lb.
 3 kg = 6.614 lb.
 10 kg = 22.046 lb.
 1 oz. = 28.350 g
 1 lb. = 16 oz., 454 g
 5 lb. = 2.268 kg

LENGTH

1 mm = 1,000 microns, .03937 in.
 1 cm = 10 mm, 0.3937 in.
 1 mil = 0.001 in., 0.0254 mm
 1 in. = 2.540 cm, 25.4 mm
 1 ft. = 0.3048 meter
 1 meter = 39.37 in., 3.281 ft.

TEMPERATURE

Celsius = Fahrenheit - 32 x 0.556
 Fahrenheit = Celsius x 1.8 + 32

Call Customer Service at 800-826-8302

CHEMICAL SAFETY

Scienceware® Plum Emergency Neutralizing Eye Wash Systems

Don't just rinse your eyes – neutralize! Strong alkalis and acids can penetrate the cornea in 45 seconds, permanently impairing vision. With the Plum neutralizing eye wash station, rapid neutralization back to the eye's normal pH of 7.4 can be accomplished in just 20 seconds. The bottles require no maintenance or cleaning, have a shelf life of up to 3 years, and meet all U.S. federal regulations. Complies with ANSI standards. Place near hazardous operations for immediate action, followed by OSHA prescribed treatment using eye rinse station. Note: saline solution is non-neutralizing and for rinsing only.



Description	Size	Packaging	Unit	Stock#	PRICE
Neutralizing eye wash station	Neutralizer: 200 mL; sterile saline: 500 mL	1/bx	BX	010-3003	\$59.90
Eye neutralizer refill	200 mL	3/pk	PK	010-3006	\$41.40
Eye saline solution refill	500 mL	3/pk	PK	010-3007	\$36.75

Acid & Base Neutralizing Spill Kit

Compact spill kit designed for acid and base neutralizing. Absorbs up to 4 gallons of liquid. Kit includes the following: Heat Sealed Foil Bag (1); 3" x 4" Socks (3); 15" x 18" Pads (20); 3-lb Neutralizing Amphomag Shaker (1); Apron (1); Disposable Bag with Tie (1); Pair Nitrile Gloves (1); Splash Resistant Goggles (1); Emergency Response Guidebook (1).



Unit	Stock#	PRICE
KT	231-9052	\$113.22

Hazardous Spill Clean-Up Kit

Neutralize, stabilize and solidify dangerous acids, bases, organics, and aqueous solutions. Each absorbent cleans up 2-5 liters of chemical spills. Color indicating. Sturdy wall mount dispenser contains:

- Five absorbents.
- One pair of nitrile acid-resistant gloves.
- Pick-up scoop with scraper.
- Six waste bags.
- Hazardous and non-hazardous labels.
- Hazardous-material accident reporting kit.



Unit	Stock#	PRICE
KT	502-3105	\$167.99

Eye and Face Protection can be found on page 231-232.

SpillEater® Natural Spill Absorbents

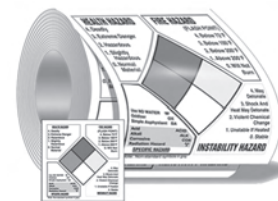
Absorbent material made from all natural plant fiber (cotton) and designed with patented Fiberlock® technology allowing it to encapsulate liquids on contact. Powerful wicking action absorbs spills 58% faster than other absorbents. Can be used on virtually any type of spill from gasoline and latex paint to bodily fluids, bleach, as well as lab chemicals such as caustics, acids and solvents. Minimizes odor, fully suppresses flammability, non-toxic, and changes pH levels to safe handling. USDA Certified Biobased Product.



Description	Unit	Stock#	PRICE
2-lb Carton	EA	618-2901	\$6.62
20-lb Pail	EA	618-2902	\$63.19
4 ft. Sock, 6 ea/ca	CA	618-2903	\$69.33
Wall mount spill station	KT	618-2904	\$55.08
Portable spill station	KT	618-2905	\$122.40

NFPA Hazard Classification Labels

Adhesive poly write on labels with the NFPA Diamond allow you to customize your message. Use for secondary container labeling throughout the food processing facility to keep chemicals and lab products properly identified. 250 self-adhesive labels per roll, 2" x 2" each.



Mfg Part #	Unit	Stock#	PRICE
LZN643EV2	RL	083-2040	\$43.71

CHEMICAL SAFETY

HMCIS Hazard Labels

Labels are the five color bar format of HMCIS. Fill in each of the color bars with the hazard codes and protective equipment (in the white bar.) Perfect for labeling secondary containers. 250 adhesive poly labels per roll, 2" x 2" each.



Mfg Part #	Unit	Stock#	PRICE
LZS113EV2	RL	083-2041	\$43.71



Hazardous Waste Shipping Labels

Comply with current federal regulations regarding identification of hazardous waste materials for transportation off-site. These self-adhesive coated paper labels measure 6" x 6" and are sold in packs of 25.



Mfg Part #	Unit	Stock#	PRICE
MHZW20PSP	PK	083-2042	\$12.93



Danger Acid Sign



Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MCHL189XV	Red/Black/White	7" x 10"	Adhesive Dura-Vinyl	EA	083-2655	\$9.57

Danger Sulfuric Acid Sign



Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MCHL077XV	Red/Black/White	7" x 10"	Adhesive Dura-Vinyl	EA	083-2695	\$9.57

EAGLE Flammable Liquids Cabinets



Keep your combustible liquids stored in a top-quality cabinet. The cabinet has 2 manual close doors and a 3-point key lock. Adjustable galvanized shelves. 2" vents with fire baffle and caps. Yellow cabinet. Ships from WV. Freight charges apply. Made in the USA. Meets NFPA Code 30 and OSHA requirements.

Model	Capacity	Size	Shelves	Wt	Unit	Stock#	PRICE
1932	30-gal	43"W x 18"D x 44"H	1	231	EA	412-1990	\$1,197.28
1947	45-gal	43"W x 18"D x 65"H	2	312	EA	412-1992	\$1,482.10

Call Customer Service at 800-826-8302

BASKETS, FORCEPS/TONGS & RODS**Poxygrid® Steel Wire Carrying Baskets**

Ideal for transporting and batch dipping glassware, these blue epoxy-coated, steel wire baskets are autoclavable and hold up under the most severe laboratory conditions. Will resist rust, corrosion, solvents, acids, and alkalis. Bottom mesh measures 1/4" x 1".



Size	Unit	Stock#	PRICE
11"L x 6"W x 3 1/2"H	EA	010-3393	\$55.48
14"L x 11"W x 3 1/2"H	EA	010-3394	\$65.08
20"L x 11"W x 3 1/2"H	EA	010-3395	\$66.33

Laboratory Wire Basket

Has many uses around a busy lab. Black epoxy coating. Autoclavable.

Size	Unit	Stock#	PRICE
6 1/2"L x 6 1/2"W x 6"H	EA	446-3310	\$29.23

**Curved Forceps**

Curved, sharp-pointed forceps. Serrated tips for gripping small objects tightly. Corrugated handles.

Description	Unit	Stock#	PRICE
Nickel-plated steel, 4.5"	EA	155-3290	\$8.76
Stainless steel, 6" (suitable for BSDA)	EA	716-3010	\$16.10
Tweezer, plastic, 3.5"	EA	562-3995	\$2.63

**Straight Forceps**

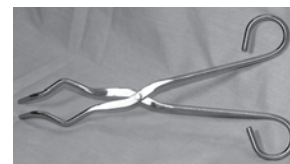
Long, heavy forceps to handle specimens or slides. Or, use with sponge to take environmental samples aseptically. Medium tapered, corrugated tips with rounded ends. Guide pin and hole. Stainless steel. Corrugated handles. Autoclavable.

Length	Unit	Stock#	PRICE
4.5"	EA	155-3300	\$10.01
8"	EA	155-3295	\$21.06

**Crucible Tongs**

Long-necked tongs, double bent with serrated jaws. Hot drop-forged. Polished stainless steel. 9" long.

Description	Unit	Stock#	PRICE
45-Degree bend	EA	700-3800	\$15.90
90-Degree bend	EA	155-3910	\$57.43

**Nalgene® Polypropylene Stirring Rod**

This rod has a flat, flexible paddle at one end and a triangle at the other. Overall length is 9-3/4". Autoclavable. 12/pack.



Unit	Stock#	PRICE
EA	156-3825	\$4.03

FILTERS & PADS

Whatman™ Rapid Flow Qualitative Filters

For coarse particulates (20 to 25 µm). Use for qualitative retention of suspended material. 100 filters/pack.



Description	Diameter	Unit	Stock#	PRICE
Whatman #4	11.0 cm	PK	741-3343	\$17.05
Whatman #4	12.5 cm	PK	741-3344	\$21.89
Whatman #4	15.0 cm	PK	155-3250	\$27.99

Whatman™ Medium Flow Qualitative Filters

For general clarification (11 µm). Use for qualitative retention of suspended material. 100 filters/pack.



Description	Diameter	Unit	Stock#	PRICE
Whatman #1	5.5 cm	PK	741-3313	\$9.73
Whatman #1	11.0 cm	PK	741-3314	\$14.60
Whatman #1	12.5 cm	PK	741-3315	\$14.60
Whatman #1	15.0 cm	PK	155-3243	\$21.89

Whatman™ Medium Flow Quantitative Filters

For medium retention (8 µm). Use without significant extension of filtration time. #2V is a pleated paper. 100 filters/pack.



Description	Diameter	Unit	Stock#	PRICE
Whatman #2	11.0 cm	PK	741-3325	\$15.86
Whatman #2	12.5 cm	PK	155-3240	\$19.53
Whatman #2	15.0 cm	PK	155-3241	\$25.55
Whatman #2V	15.0 cm	PK	155-3254	\$69.45

Whatman™ Slow Flow Quantitative Filters

For fine particle retention (3 µm). Use for maximum filtrate clarity and effective separation precipitates for quantitative measurements. 100 filters/pack.

Description	Diameter	Unit	Stock#	PRICE
Whatman #44	11.0 cm	PK	741-3383	\$47.10
Whatman #44	12.5 cm	PK	741-3384	\$54.30
Whatman #44	15.0 cm	PK	741-3385	\$68.76

Slow Flow Qualitative Filters

Most retentive of our filters. Useful for clarifying cloudy suspensions or water analysis. 100 filters/pack.

Description	Particle Retention	Diameter	Unit	Stock#	PRICE
General purpose	2 to 5 µm	5.5 cm	PK	220-3345	\$9.08
Whatman #5	greater than 2.5 µm	11.0 cm	PK	585-3021	\$28.13
S & S #602	greater than 2.5 µm	12.5 cm	PK	585-3025	\$26.81
Whatman #5	greater than 2.5 µm	15.0 cm	PK	741-3010	\$39.09

PALL LIFE SCIENCES Type A/E Filter

Glass fiber filter used for residue analysis in water and wastewater. Pre-baked to ensure low levels of volatile residuals. May be used to filter air. Removes 99.9% of particulates larger than 1.0 microns. 47 mm. 100 filters/pack.

Mfg Part#	Unit	Stock#	PRICE
61631	PK	155-3271	\$53.52

Whatman™ 934/AH Glass Fiber Filters

Specified in official methods for testing suspended solids in water pollution monitoring; retention is 1.5 µm, with very high loading capacity, high retention efficiency at high flow rate. Autoclavable; usable to 500°C. 100 filters/pack.

Diameter	Unit	Stock#	PRICE
3.2 cm	PK	155-3268	\$31.75
4.7 cm	PK	741-3827	\$43.88

Whatman™ Glass Fiber Filters GF/C Filters

Filtering suspended solids in wastewater analysis is a typical use for these 0.26 mm thick filters. Binder-free. 1.2 µm retention. 100 filters/pack.



Diameter	Unit	Stock#	PRICE
2.1 cm	PK	741-3009	\$60.44
2.4 cm	PK	155-3276	\$63.52

Glass Fiber Pads

Great for moisture testing. Pads prevent fat loss due to spattering.

Size	Pkg	Description	Unit	Stock#	PRICE
5.5 cm / 2C\, dia	100/pk	S&S	PK	585-3020	\$46.44
5.5 cm / 2C\, dia	100/pk	Whatman	PK	741-3020	\$44.94
9 cm / 3" dia	200/pk	Van Note	PK	187-3082	\$30.57
11 cm / 4" dia	200/pk	CEM	PK	187-3003	\$42.29
11 x 11 cm / 4" x 4"	400/pk	CEM	PK	187-3004	\$25.78
11 x 11 cm / 4" x 4"	400/pk	Van Note	PK	187-3104	\$35.45



Call Customer Service at 800-826-8302

MOISTURE DISHES, WEIGHING BOATS & PAPER**Disposable Aluminum Dishes**

Versatile round aluminum dishes can be used as an evaporating dish, weighing dish, parts container, dust cover, and more. Flat bottom to improve sample handling. Features include crimped sides for rigidity, sturdy gauge aluminum for heavy-duty use and tabs for sample numbers. #201-3011 has smooth walls and slightly protruding lip for easy separation. 100/box; 10 boxes/case.

Size	Unit	Stock#	PRICE
43 mm	BX	021-3004	\$4.77
57 mm	BX	021-3005	\$5.71
70 mm	BX	021-3006	\$7.98
70 mm	BX	021-3011	\$8.86

**Disposable Aluminum Moisture Dish**

Deeper than regular moisture dishes. They work great for minimizing errors due to spattering when testing high fat or large samples for moisture. Sturdy for heavier samples. 57 mm. 100/box.

Unit	Stock#	PRICE
BX	181-3005	\$6.61

**Reusable Moisture Dish with Lid**

Heavy-duty aluminum dishes with indented lids. Stackable. Meet APHA/AOAC standards. 10/tube.

Size	Unit	Stock#	PRICE
57 mm x 30 mm	TB	203-3006	\$14.23

**Weighing Boats**

For use with analytical balances. Smooth, allow solids to flow freely. #320-3420 is anti-static.

Size	Pkg	Unit	Stock#	PRICE
White				
1B½" x 1B½"	100/pk	PK	320-3001	\$15.55
1B½" x 1B½"	500/bx	BX	320-3002	\$21.08
3Z½" x 3Z½"	100/pk	PK	320-3003	\$23.36
3Z½" x 3Z½"	500/bx	BX	320-3004	\$34.44
5Z½" x 5Z½"	100/pk	PK	320-3005	\$37.73
5Z½" x 5Z½"	500/bx	BX	320-3006	\$58.90
5Z½" x 5Z½"	500/bx	BX	320-3420	\$58.12
Blue				
1B½" x 1B½"	500/bx	BX	320-3016	\$21.08
3Z½" x 3Z½"	500/bx	BX	320-3017	\$37.24
5Z½" x 5Z½"	500/bx	BX	320-3018	\$66.76

**Weighing Papers**

For use with analytical balances. Smooth, allow solids to flow freely. 500/pack. Nitrogen free.

Size	Unit	Stock#	PRICE
3" x 3"	PK	155-3550	\$9.20
4" x 4"	PK	155-3552	\$12.15
6" x 6"	PK	155-3554	\$21.08



Prices subject to change.

Natural Rubber Tubing

This amber latex tubing remains soft and flexible in all temperatures. Elastic, durable, seamless, semi-transparent, non-toxic, and can be sterilized.



ID	OD	Wall	Pkg	Unit	Stock#	PRICE
Z\,"	C\zn"	Z\cx"	50'/rl	FT	220-3940	\$0.83
Z\,"	Z\v"	Z\zn"	12'/rl	RL	155-3941	\$24.00
C\zn"	B\zn"	Z\zn"	12'/rl	RL	155-3942	\$23.20
C\zn"	C\,"	C\cx"	50'/rl	FT	155-3955	\$1.43
Z\v"	C\,"	Z\zn"	12'/rl	RL	155-3943	\$30.67
Z\v"	M\zn"	C\cx"	12'/rl	RL	155-3944	\$45.63
Z\v"	Z\x"	Z\,"	12'/rl	RL	155-3945	\$44.34
C\,"	Z\x"	Z\zn"	12'/rl	RL	155-3948	\$39.40
Z\x"	C\v"	Z\,"	12'/rl	RL	155-3949	\$73.98

TYGON® R-3603 Clear Laboratory Tubing

Clear, flexible tubing that can be used with almost any laboratory chemical or peristaltic pump. Non-toxic, odorless and tasteless. Flexible to -28.8°C (-19.8°F). Resists dry heat to 70°C (158°F). Won't harden, crack or flake. Durometer hardness (Shore A) = 55. Non-aging. Non-oxidizing. Meets FDA CFR part 175.300 criteria. Autoclavable.



ID	OD	Wall	Pkg	Unit	Stock#	PRICE
Z\zn"	Z\,"	Z\cx"	50'/rl	RL	681-3102	\$16.00
C\zn"	Z\v"	Z\cx"	50'/rl	FT	681-3106	\$0.49
C\zn"	B\zn"	Z\zn"	50'/rl	RL	681-3222	\$92.06
Z\v"	C\,"	Z\zn"	50'/rl	FT	681-3109	\$2.10
Z\v"	M\zn"	C\cx"	50'/rl	FT	681-3110	\$3.30
B\zn"	M\zn"	Z\zn"	100'/rl	FT	681-3009	\$1.54
C\,"	>\zn"	C\cx"	50'/rl	FT	681-3116	\$3.60
Z\x"	ZZ\zn"	C\cx"	50'/rl	FT	681-3120	\$5.10

TYGON® R-3603 Vacuum Tubing

Clear vacuum tubing with extra-heavy walls and low vapor pressure. Withstands full vacuum at normal room temperatures up to 27" Hg at 60°C. Very chemical resistant and will not swell closed if vacuum pump oil backs up into the tubing.



ID	OD	Wall	Pkg	Unit	Stock#	PRICE
Z\v"	B\,"	C\zn"	50'/roll	FT	155-3970	\$10.44

Polyethylene Tubing

This economical translucent tubing will serve you well in a wide range of general industrial uses. It is flexible, yet resistant to chemicals and stress cracking. Natural color.



Size (ID x OD)	Working Pressure	Pkg	Unit	Stock#	PRICE
ZZ\nv" x Z\v"	205 psi @ 70°F	500'/rl	FT	189-1040	\$0.71
Z\v" x C\,"	214 psi @ 70°F	500'/rl	FT	189-1041	\$0.48
C\," x Z\x"	153 psi @ 70°F	100'/rl	FT	189-1050	\$0.92

Tubing clamps and fittings are found on the next page...

Call Customer Service at 800-826-8302

FITTINGS & CLAMPS FOR TUBING**Fast and Tite™ White Nylon Fittings**

These thermoplastic fittings are the answer to your tubing system connector needs. Fast and Tite fittings install without tools in seconds and provide a tight, sure, leakproof seal without clamps or adjustments. A unique stainless steel grab ring for tube retention, coupled with a Buna O-ring for positive seal, assures good tube connection with only hand-tight assembly. Vibrations will not cause leaking. Can be used with plastic, glass or metal tubing for hot or cold water plumbing (low pressure). Temp. range -40° to 200°F. Not generally necessary to disassemble fitting to connect fitting to tube. Cut tube. Loosen nut. Insert tube into fitting until tube bottoms on fitting shoulder. Tighten nut by hand. Other sizes and types available by special order. Meet FDA and NSF51 requirements for food contact.

Male Connector

Mfg Part#	Nominal Tube OD	NPTF Thread	Unit	Stock#	PRICE
N4MC2	1/4"	1/4"	EA	189-1020	\$3.34
N4MC4	1/2"	1/2"	EA	189-1005	\$3.34
N6MC4	3/4"	3/4"	EA	189-1042	\$3.70
N6MC2	1"	1"	EA	189-7002	\$3.70

**Female Connector**

Mfg Part#	Nominal Tube OD	NPTF Thread	Unit	Stock#	PRICE
N4FC4	1/2"	1/2"	EA	189-1027	\$5.54
N8FC8	1"	1"	EA	189-7000	\$9.50

**Union Connector**

Nominal Tube OD	Unit	Stock#	PRICE
1/4"-1/4"	EA	189-1035	\$5.19
1/2"-1/2"	EA	189-1045	\$5.62

**Scienceware® Tubing Clamp**

Acetal thermoplastic clamp fits 1/8" to 7/16" OD tubing. 15-position control from fully open to completely closed. Autoclavable. 12/pack.

Unit	Stock#	PRICE
PK	155-3130	\$10.98

Mohr Pinchcock

Nickel-plated, one-piece brass wire with rounded edges for 3/8" or 5/8" OD tubing. Fingergrrips are molded to finger contour. 3-1/2" long. 12/pack.

Description	Unit	Stock#	PRICE
Use with 3/8" OD Tubing	EA	156-3674	\$43.31
Use with 5/8" OD Tubing	EA	155-3600	\$7.88

Like the convenience of ordering online?

Check out our website: nelsonjameson.com

TIMERS & CLOCKS

One-Channel Timer/Stopwatch/Clock

Keep track of remaining incubation with a timer that counts up to and down from 100 hours. Also, can serve as a clock (AM/PM). Features an audible alarm; manual and automatic OFF; memory recall automatically returns the display to previously set count down time; magnet, easel stand, clip, hanging hole all on back. LCD display powered by one AAA battery (included).



Unit	Stock#	PRICE
EA	607-3003	\$20.38

Three-Channel Timer/Stopwatch/Clock

Use when up to three sets of plates are being incubated at once. All three channels count up to and down from 100 hours. Also, can serve as a clock (AM/PM). Features three distinctive audible alarms; memory recall returning the display to the previously set count down time; magnet, easel stand, clip, and hanging hole all on back. LCD display powered by one AAA battery (included).



Unit	Stock#	PRICE
EA	607-3004	\$25.88

DimcoGray GraLab Electric Timer Switches

Quality timer that can be set in minutes and seconds. Easy-to-work knurled knob for fast setting. Two separate outlet receptacles allow you to turn electrical equipment on or off. Dimensions 7-1/2" x 7-1/2". 120 V.



Model	Time Range	Unit	Stock#	PRICE
171	60 minutes	EA	155-3900	\$334.22
170	60 hours	EA	155-3901	\$332.46

Mini Time Controller



Use for control and safety of equipment with heating elements, such as hot plates, water baths, ovens, and sterilizers.

- Up to 6 on and 6 off settings per day, 84 total per week.
- User-friendly programs.
- Convenient front-panel buttons.
- Manual override.
- LED light and LCD display.
- Precise and stable timing controlled by crystal oscillator.
- Back-up battery (1.5 volt, UM-5 size).

Unit	Stock#	PRICE
EA	132-3001	\$37.85

Wall Clocks with Plastic Lens



Double-insulated wall clock with an acrylic lens. Acrylic lens will not shatter like a glass lens. Bold black numbers on a white background for increased visibility. Red sweep hand. 12" diameter. Choice of 110V electric or quartz movement battery-powered model (requires 1 AA battery, not included). 3-year limited warranty. Replacement lens available for replacing a cracked lens on a working clock.

Mfg Part #	Description	Unit	Stock#	PRICE
S12KW	Electric model	EA	229-2005	\$30.00
M12KW	Battery model	EA	229-2010	\$31.40

Looking for slogan clocks? We have them!

Call us, or see our full-line Buyers Guide.

Call Customer Service at 800-826-8302

LAB CLEANERS

Contrad 70™ Cleaning Detergent



Removes virtually any contaminant from any surface—making it the ideal detergent for every laboratory application. Totally rinsable below monomolecular layer level, it leaves no residues to interfere with final analyses. Contrad 70 is used worldwide in food technology laboratories. Solutions are phosphate-free, totally biodegradable, and work by soaking alone, without manual scrubbing. There is no better detergent for the modern laboratory.

Size	Pkg	Unit	Stock#	PRICE
1 L	12/ca	CA	373-3108	\$401.99
5 L	1/btl	BO	373-3105	\$147.92
5 L	4/ca	CA	373-3107	\$376.32

KIMTECH SCIENCE KIMWIPES® Delicate Task Wipers



Clean critical items such as lab probes & glassware with these 100% pure virgin fiber wipers. Gentle texture won't scratch delicate surfaces when used wet. Absorbent, easily wipes up liquid and dust. LINTGUARD® Anti-static Polyshield helps further reduce lint and static buildup. White. 1-ply.

Mfg Part #	Size	Pkg	Unit	Stock#	PRICE
34155	4X\b" x 8X\b"	280/pk	PK	371-6001	\$3.93
34155	4X\b" x 8X\b"	280/pk, 60 pk/ca	CA	371-6004	\$157.08
34133	11V\b"x11V\b"	196/pk, 15 pk/ca	CA	371-6002	\$72.43
34256	14C\b"x16C\b"	140/pk, 15 pk/ca	CA	371-6003	\$117.15

Paper wipes are also available - call us with your requirements.

Alconox™ Laboratory Cleaning Detergents

The Alconox line of biodegradable detergents has been used for years in laboratories to clean glassware, instruments, electronic parts, and equipment. Proper cleanliness is necessary to assure correct results in laboratory analysis techniques.



Alconox™

Specially formulated powdered manual cleaner detergent that removes tough soils. Cleans in hard or soft, hot or cold water without leaving a residue. Ideal for ultrasonic washers. Odorless, colorless, mild, with a pH of 9.0 to 9.5.

Size	Pkg	Unit	Stock#	PRICE
4 lb	9 bx/cs	BX	012-5010	\$27.34

Liquinox™

Find all the advantages of powdered Alconox™, but in liquid form for ultrasonic cleaning and also as a manual cleaner. Phosphate-free. pH of 8.0 to 8.6.

Size	Pkg	Unit	Stock#	PRICE
1 gal	4 gal/cs	GA	012-5220	\$53.40

Alcojet™

Low-sudsing powdered detergent, made for mechanical washers. Completely safe for metal parts, yet it removes difficult soil from glass, porcelain, metal, electronic parts, etc. USDA authorized. pH of 11.2 to 11.6.

Size	Pkg	Unit	Stock#	PRICE
4 lb	9 bx/cs	BX	012-5110	\$26.13

Alcotabs™

Alcotabs for siphon-type pipet washers, is Alconox in effervescent tablet form. For cleaning test tubes, pipets, etc. in siphon-type rinsers. Alcotabs convert your rinser to a fully automatic washer and rinser. USDA authorized. pH of 6.5.

Size	Pkg	Unit	Stock#	PRICE
100 tab/btl	6 btl/cs	BO	012-5130	\$21.93

Tergazyme™

Tergazyme enzyme acid powdered detergent is a concentrated, anionic detergent with protease enzyme for labware washers, manual and ultrasonic cleaning. Recommended for glassware, metals, plastic, ceramic, porcelain, rubber, and fiberglass with no interfering residues. USDA authorized.

Size	Pkg	Unit	Stock#	PRICE
25 lb	25 lb/ct	CT	012-3525	\$167.63

Prices subject to change.

MISCELLANEOUS LAB SUPPLIES

Canner's Vacuum Gauge

Used to determine the vacuum in sealed jars or cans. This gauge has a rubber ring seal and a puncture knife incorporated in its design. Simply place the gauge with the ring seal against the top of the can, press down to puncture, and read the vacuum directly. Display lock valve to 30 Hg vacuum.



Unit	Stock#	PRICE
EA	023-3005	\$255.19

Scienceware® Engraving Tool

Engrave your glass items, equipment, tools, keys, racks, and just about everything in your lab and plant. Can be used to permanently mark glass, plastic, wood, metal, bone, and stone. This cordless battery-operated engraving tool is held like a pen, press the button, apply light pressure to write. The markings will not fade if exposed to chemicals, sunlight or extreme temperatures. It operates on two AA batteries and comes with an extra tip. The compact polypropylene stand, which is sold separately, holds the engraving tool and the extra tip.



Description	Unit	Stock#	PRICE
Engraving Tool, 7" long	EA	010-3122	\$22.40
Engraving Tool Stand	EA	010-3123	\$12.36

Workstation Storage Bin

Organize your most commonly used laboratory disposables in one central location. Acrylic unit has room to store gloves, Kimwipes® and Parafilm®. Use bins to store tubes, pipet tips, or any of your small lab items that need to be readily available.



Size	Unit	Stock#	PRICE
10.5"L x 5.5"W x 17.5"H	EA	320-3523	\$114.89

Scienceware® Labmat™

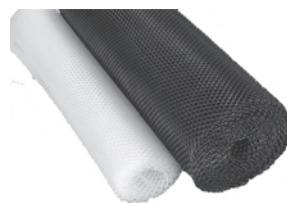
A must for every benchtop. Disposable drawer and bench liner simplifies clean-up chores and safeguards work surfaces from stains, spills and wear. Flexible polyethylene film backing is non-skid and prevents soak-through of most solutions. Highly absorbent upper surface traps water, dyes and corrosive chemicals. Can be easily cut with scissors. Dispenser carton.



Size	Unit	Stock#	PRICE
20" x 50'	RL	010-3675	\$55.21

Plastic Mesh Shelf Liner

This non-absorbent shelf liner can be used in a variety of applications. Use in production areas to drain parts or in the lab area to place fragile glassware on. Resistant to food acids, grease, and detergents. Pliable plastic will not curl, lies flat. Conforms to FDA regulations.



Color	Size	Unit	Stock#	PRICE
Black	2' x 40'	RL	618-6188	\$57.73
Clear	2' x 40'	RL	618-6189	\$57.73

Broken Glass Disposal Boxes

Maintain a safe laboratory with this sturdy corrugated cardboard receptacle, supplied with a 2 mil thick polyethylene bag to contain broken glass fragments. Can also be used for spilled liquids. When the box is full, the safety cap is pulled into place and the entire unit is ready for disposal. Printed with eye-catching graphics in four languages (English, Spanish, German, and French). Disposal box holds 18 kg (40 lb) of waste, and measures 12" x 12" x 27"H. Please note: box does not qualify as a DOT container. 6/pack.



Unit	Stock#	PRICE
PK	010-3326	\$78.12

Standard Methods for the Examination of Dairy Products

Operational compliance with SMEDP is required by the Lab Quality Assurance Branch of the FDA for Certified Milk Laboratories. 17th edition.



Unit	Stock#	PRICE
EA	028-3017	\$107.33

Standard Methods for the Examination of Water and Wastewater

Includes physical, chemical, microscopic, and bacteriological methods of water and wastewater analysis. 22nd edition.



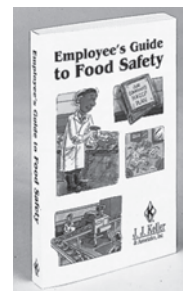
Unit	Stock#	PRICE
EA	028-3021	\$299.99

Call Customer Service at 800-826-8302

MISCELLANEOUS LAB SUPPLIES**Employee's Guide to Food Safety**

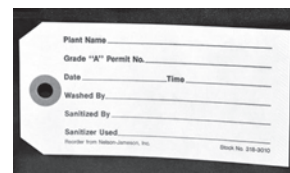
A fast, cost-effective way to train employees on eight key food safety topics. Each chapter is written in clear, easy-to-understand language and is supported with colorful illustrations. Provides simple explanations of the basic principles of food safety and why they are important to your employees. Each chapter includes a quiz for review and a receipt page to document the training. Available in English or Spanish. Soft-bound.

Version	Description	Unit	Stock#	PRICE
English	Employee's Guide to Food Safety	EA	367-3107	\$8.39
Spanish	Employee's Guide to Food Safety	EA	367-3108	\$8.39

**Wash-Up Tags and Tag Wire**

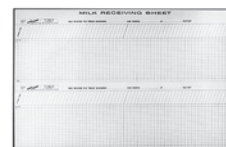
Easily identify washed and sanitized trucks and equipment with these durable manila bristol board tags. Designed according to Pasteurized Milk Ordinance (PMO). Convenient 4-3/4" x 2-3/8" size. Attach through eyelet with steel wires sold separately.

Description	Pkg	Unit	Stock#	PRICE
Grade A wash-up tags	1000/bx	BX	318-3010	\$38.24
Tag wire, 27 gauge, 12" long	1000/bndl	BD	121-3000	\$24.91

**Patrons' Semi-Monthly Receiving Chart**

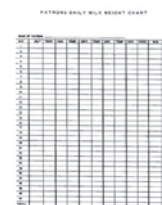
21" x 32-1/2" bristol-board sheets for plant milk receiving records. Room for 60 patrons per sheet. Covers one month in two equal segments.

Unit	Stock#	PRICE
DZ	318-3005	\$26.47

**Individual Patron's Milk Weight Charts**

8-1/2" x 11" bristol-board sheets printed on both sides. Covers entire calendar year of pick-ups from one patron. Weight and temperature blanks for each day.

Unit	Stock#	PRICE
DZ	018-3020	\$8.92

**Cheesemaking Record Forms**

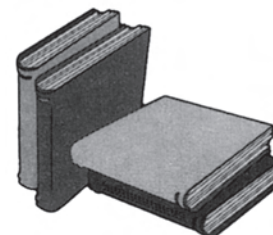
This is a two-sided 8-1/2" x 11" form. On one side is a bulk starter record, and on the other side is a cheesemaking record with room to record seven vats. 50/pad.

Unit	Stock#	PRICE
PD	018-3030	\$5.81

**Nalgene® 6301 Laboratory Notebook**

These hard-cover notebooks feature permanently sewn-in pages with 1/4" grid and horizontal lines. Pages have spaces for dates and signatures and includes instructions for keeping research records, table of contents, and a page for issuing the notebook. Polyethylene cover is waterproof. Overall dimensions 8-7/8"L x 5/8"W x 11-1/4"H. Page dimensions 8-1/2" x 11". 100 pages per notebook.

Unit	Stock#	PRICE
EA	479-3900	\$33.67



Prices subject to change.

OFFICE SUPPLIES

Stainless Steel Clipboard



Use this heavy-duty, fully detectable clipboard for your paperwork in food processing areas. It is manufactured from 304 grade stainless steel, giving it a long life span. Comes complete with a secure 100% stainless steel clip.

Size	Unit	Stock#	PRICE
9"W x 14"L	EA	364-7049	\$39.98
14"W x 18"L	EA	364-7051	\$67.66

Aluminum Clipboards



Rugged .040 aluminum clipboard with 6" clip. Rounded corners and finished surface make this the perfect tool in your processing areas.

Size	Unit	Stock#	PRICE
Letter, 8½" x 12"	EA	192-7123	\$10.87
Legal, 8½" x 14"	EA	192-7117	\$12.20

Metal Detectable Retractable Chisel Tip Permanent Marker

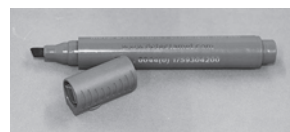
Easily use this non-toxic, retractable marker with one hand. Ideal for all food processing environments - no cap to lose. Patented retractable housing prevents drying out. Chisel tip for broad and fine line writing on all surfaces. Safety clip. Blue housing. 10/pack.



Ink Color	Unit	Stock#	PRICE
Blue	EA	364-7303	\$4.91
Black	EA	364-7302	\$4.91
Red	EA	364-7304	\$4.91
Green	EA	364-7305	\$4.91

Metal Detectable Chisel Tip Permanent Marker

Permanent markers with non-toxic, xylene-free, low-odor ink are useful anywhere. The high-impact blue housing and cap is fully metal detectable, x-ray visible and antimicrobial. Chisel tip for broad and fine line writing on all surfaces.



Ink Color	Unit	Stock#	PRICE
Blue	EA	364-7147	\$3.02
Black	EA	364-7148	\$3.02
Red	EA	364-7149	\$3.02
Green	EA	364-7151	\$3.02

Metal Detectable Retractable HD Pens

Retractable HD pens with slightly textured finish are suitable for almost all food-related environments, including those with wet and greasy conditions. This pen performs well in ambient working temperatures. Retractable housing with stainless steel return spring mechanism provides continuous performance.



Rugged housing offers extra protection for the pen refill and the operator, ensuring that the nib will not become damaged if the pen is dropped or rolls off work surface. Can be refilled. 50/box.

Ink Color	Housing Color	Unit	Stock#	PRICE
With Clip				
Red	Red	EA	364-2362	\$2.36
Blue	Blue	EA	364-2360	\$2.36
Green	Green	EA	364-2363	\$2.36
Black	Black	EA	364-2361	\$2.36
Without Clip				
Red	Red	EA	364-2366	\$2.36
Blue	Blue	EA	364-2364	\$2.36
Green	Green	EA	364-2367	\$2.36
Black	Black	EA	364-2365	\$2.36
With Lanyard Attachment				
Red	Red	EA	364-2370	\$2.36
Blue	Blue	EA	364-2368	\$2.36
Green	Green	EA	364-2371	\$2.36
Black	Black	EA	364-2369	\$2.36
Ink Refills				
Red		EA	364-7174	\$1.93
Blue		EA	364-7077	\$1.93
Green		EA	364-7141	\$1.93
Black		EA	364-7086	\$1.93

Call Customer Service at 800-826-8302

OFFICE SUPPLIES

Metal Detectable Elephant Stick Pen



Feature a slightly textured grip and triangular cross section for a comfortable yet sturdy grip. Ideal for use in ambient working temperatures and a clean environment, or where a one piece pen is required. Manufactured from food contact approved materials. 50/box.

Ink Color	Housing Color	Unit	Stock#	PRICE
With Clip				
Red	Red	EA	364-2469	\$1.17
Blue	Blue	EA	364-2463	\$1.17
Green	Green	EA	364-2472	\$1.17
Black	Black	EA	364-2466	\$1.17
Without Clip				
Red	Red	EA	364-2468	\$1.17
Blue	Blue	EA	364-2461	\$1.17
Green	Green	EA	364-2471	\$1.17
Black	Black	EA	364-2465	\$1.17
With Lanyard Attachment				
Red	Red	EA	364-2470	\$1.17
Blue	Blue	EA	364-2464	\$1.17
Green	Green	EA	364-2473	\$1.17
Black	Black	EA	364-2467	\$1.17

RAYOVAC® Industrial Batteries

Reliable and long lasting power for continuous-use applications. The mercury-free formula is safe for the environment and offers high performance levels.

Description	Pkg	Unit	Stock#	PRICE
Alkaline AA	8 ea/pk	PK	192-2100	\$5.15
Alkaline AAA	8 ea/pk	PK	192-2105	\$5.37
Alkaline C	6 ea/pk	PK	192-2110	\$10.39
Alkaline D	6 ea/pk	PK	192-2115	\$12.35
Alkaline 9-Volt	6 ea/pk	PK	192-2120	\$18.68
H.D. 6-Volt	1 ea/pk	EA	192-2125	\$4.15
Button Cell 303/357	6 ea/bx	BX	192-2128	\$12.46

Comfort-King™ Antimicrobial Anti-Fatigue Mat

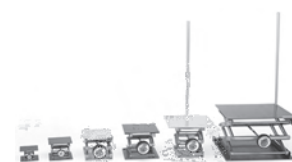
Constructed with an antimicrobial agent to prevent the growth of microorganisms on the mat surface, this superior anti-fatigue mat energizes users with Zedlan™ sponge combing softness resilience and durability for exceptional relief. Outwears other sponge products nearly three to one. Use in dry areas only. 3/8" thick. Steel gray.



Size	Unit	Stock#	PRICE
2'x3'	EA	430-2361	\$28.70
3'x4'	EA	430-2362	\$66.90
3'x5'	EA	430-2363	\$73.95
4'x5'	EA	430-2365	\$113.13
4'x6'	EA	430-2367	\$118.45

Boekel Lab Jacks®

Accommodate lab setups that require stable and precise height positioning.* With an all-stainless steel screw mechanism and top and bottom anodized aluminum plates, Boekel Lab Jacks are engineered to provide long life and reliable operation even in harsh laboratory environments. The Large, Biggie and Giant models have a pre-tapped hole to accommodate the optional 18" support rod. The Giant model has a side locking knob for positive platform stabilization. *NOTE: Lab Jacks are designed to support and adjust height of a variety of laboratory apparatus such as hot plates, baths, and glassware, not for lifting loads.



Mfg Part #	Model	Plate Dimensions	Max Load	Max Height	Min Height	Unit	Stock#	PRICE
19086-000	Micro	3" x 3"	10 lb	3.25"	1"	EA	068-3600	\$103.07
19090-002B	Small	4" x 4"	25 lb	5.5"	1.65"	EA	068-3601	\$131.15
19089-001	Standard	4.75" x 5.5"	50 lb	10.4"	3"	EA	068-3602	\$131.07
19090-003B	Large	6" x 6"	60 lb	10.75"	2.45"	EA	068-3603	\$135.38
19090-004B	Biggie	8" x 8"	75 lb	11"	2.25"	EA	068-3604	\$142.30
19090-005B	Giant	12" x 12"	100 lb	20"	3.5"	EA	068-3605	\$350.00
Accessories								
B0403161	18" Support for large, biggie, and giant models					EA	068-3606	\$27.79

Prices subject to change.

SHIPPING & PACKAGING SUPPLIES

Adjustable Pull-Up Security Seal

Ideal for sealing tote boxes, cargo containers, trucks, rail cars and more. Consecutively numbered. The adjustable strap on these seals pull up tight for close tolerances. Fits any closure larger than 5/32" diameter. 9" and 15" high density polyethylene has breaking strength of 50-lbs. Available in various lengths and colors. Packaged 100/bag, 1000/case. Can be custom imprinted - call for details and pricing.



Color	Overall Length	Operational Length	Unit	Stock#	PRICE
Red	12"	9"	BG	133-6600	\$16.25
Yellow	12"	9"	BG	133-6615	\$16.25
Blue	12"	9"	BG	133-6605	\$16.25
Green	12"	9"	BG	133-6610	\$16.25
Red	18"	15"	BG	133-6690	\$16.50

Flat Plastic Truck Seals



Applications include: truck & trailer doors, containers, roll cages and fire doors. Consecutively numbered. Made of high density polyethylene for greater durability in extreme weather. 60-lb. break strength. Additional colors available, and can be custom imprinted - call for details and pricing. 100 seals/strip; 1000 seals/case

Color	Overall Length	Operational Length	Unit	Stock#	PRICE
Blue	7.5"	7"	CA	638-6800	\$55.08

Bulk-Packed Poly Food Bags: Light-Duty

Food grade approved clear bags are ideal for storing cheese, meat, poultry, produce, and other foods. Made of FDA approved resin. Bulk packed in cases or on roll as indicated.

Size	Mil	Pkg	Unit	Stock#	PRICE
4" x 2" x 8"H	.65	1000/ca	CA	425-4002	\$7.90
4" x 2" x 12"H	.65	1000/ca	CA	425-4004	\$11.68
6" x 3" x 12"H	.7	1000/ca	CA	425-4008	\$18.87
8" x 3" x 15"H	.75	1000/ca	CA	425-4012	\$27.96
8" x 4" x 18"H	.75	1000/ca	CA	425-4014	\$36.52
18" x 24"H	.75	250/roll, 1 roll/ca	CA	425-4018	\$19.91
12" x 8" x 30"H	1.0	500/ca	CA	425-4020	\$67.50

Poly-Coated White Freezer Paper

This economical wrap is a tough food-grade paper, coated with a special protective wax. The coated side is wound inside for cleanliness. 3" core. 1100'/roll.

Size	Unit	Stock#	PRICE
15" x 1100'	RL	499-4015	\$41.93
18" x 1100'	RL	499-4018	\$47.69
24" x 1100'	RL	499-4024	\$71.29

**For a more complete listing of seals and bags,
call 800-826-8302 and request our Buyers Guide!**

Call Customer Service at 800-826-8302

SHIPPING & PACKAGING SUPPLIES

ThermoSafe® Insulated Shippers



Specifically designed to maximize temperature control and withstand the hazards of transport. Ideal for the safe storage and delivery of temperature sensitive products such as laboratory samples or food products. Economical, lightweight, reusable, and recyclable. Available in EPS foam container only or EPS foam with 200-lb test corrugated outer carton. Many other sizes and shapes available. Call our packaging specialists with your requirements.

ID Size	Wall Thickness	Pkg	Unit	Stock#	PRICE
Foam Cooler with Box					
8"L x 6"W x 4½"H	1½"	12/ca	CA	452-2318	\$120.61
8"L x 5⅞"W x 8⅞"H	1½"	8/ca	CA	452-6321	\$101.21
8"L x 5⅞"W x 7"H	1½"	12/ca	CA	452-2119	\$181.48
11⅜"L x 8⅞"W x 11"H	1"	6/ca	CA	452-6346	\$101.55
12½"L x 12½"W x 12"H	1½"	3/ca	CA	452-6615	\$54.73
10"L x 10"W x 7"H	1¾"	4/ca	CA	452-2105	\$78.81
11⅝"L x 9⅞"W x 7"H	1½"	6/ca	CA	452-2123	\$119.84
17¼"L x 10¼"W x 8"H	1½"	4/ca	CA	452-2121	\$102.37
19⅜"L x 11¼"W x 3⅞"H	1½"	8/ca	CA	452-2107	\$153.63
11"L x 17"W x 13"H	1¾"	2/ca	CA	452-2103	\$61.00
11⅝"L x 9⅞"W x 7"H	1½"	6/ca	CA	452-2117	\$119.84
16⅞"L x 11½"W x 6"H	1½"	5/ca	CA	452-2129	\$88.43
16¾"L x 9¾"W x 12⅝"H	1½"	3/ca	CA	452-2127	\$93.91
16¾"L x 16¾"W x 12⅝"H	2"	2/ca	CA	452-2125	\$96.14
21⅞"L x 13⅞"W x 10⅝"H	1⅞"	2/ca	CA	452-2111	\$51.18
21"L x 15⅞"W x 15¼"H	1⅞"	2/ca	CA	452-2109	\$65.78
23"L x 10"W x 6"H	1"	4/ca	CA	452-2115	\$51.80
23¼"L x 15⅜"W x 6⅝"H	¾"	3/ca	CA	452-2113	\$71.34
Foam Cooler w/out Box					
13½"L x 13"W x 10½"H	1¾"	4/ca	CA	452-2682	\$88.96

Reusable Ice Packs



Economical, non-toxic shipping refrigerant stays frozen longer than ice. Just freeze and reuse to keep food products or laboratory samples cold during storage or shipping. Other sizes and styles available - call for pricing.

Size	Pack Size	Pkg	Unit	Stock#	PRICE
4" x 6.5"	6-oz	96/ca	CA	452-6506	\$15.41
4" x 6.5"	8-oz	72/ca	CA	452-6508	\$14.32
6.25" x 6"	16-oz	36/ca	CA	452-6516	\$13.94
10" x 6"	32-oz	18/ca	CA	452-6532	\$11.53
10½" x 7½"	48-oz	12/ca	CA	452-2148	\$10.00

Prices subject to change.

MATERIAL HANDLING

Economy Utility Carts

Excellent for transporting equipment and loads. Durable and chemical-resistant plastic composition will not rust, dent, chip, or peel. Holds up to 500-lbs. Convenient knock-down design that's easy to assemble. Shelf is 3.5" D. Gray.



CARLISLE
SANITARY MAINTENANCE PRODUCTS

Dimensions	Unit	Stock#	PRICE
40"L x 17¼"W x 33½"H	EA	618-7591	\$171.11
45"L x 25"W x 33"H	EA	618-7593	\$194.30

Slim Jim Step-On Plastic Containers

The slim profile allows this container to fit in the tightest spaces and the increased foot pedal clearance allows for easier access and operation. Meets OSHA and OBRA standards for worker and environmental safety.



Color	Unit	Stock#	PRICE
4-Gallon - 14.8"L x 9.1"W x 15.7"H			
White	EA	440-6105	\$96.16
8-Gallon - 16.7"L x 10.6"W x 21.1"H			
White	EA	440-6108	\$106.85
Red	EA	440-6107	\$106.85
Yellow	EA	440-6109	\$106.85
Blue	EA	440-6101	\$106.85
Green	EA	440-6100	\$106.85
Gray	EA	440-6102	\$106.85
Beige	EA	440-6106	\$106.85
13-Gallon - 18"L x 11.5"W x 28.3"H			
White	EA	440-6112	\$122.91
Red	EA	440-6111	\$122.91
Yellow	EA	440-6113	\$122.91
Blue	EA	440-6103	\$122.91
Green	EA	440-6104	\$122.91
Beige	EA	440-6110	\$122.91
18-Gallon - 19.7"L x 12.2"W x 31.6"H			
White	EA	440-6116	\$137.52
Red	EA	440-6115	\$137.52
Yellow	EA	440-6117	\$137.52
Beige	EA	440-6114	\$137.52
24-Gallon - 22.4"L x 13.9"W x 32.5"H			
White	EA	440-6121	\$196.21
Red	EA	440-6120	\$196.21
Yellow	EA	440-6122	\$196.21
Blue	EA	440-6119	\$196.21
Beige	EA	440-6118	\$196.21

For a complete listing of Material Handling Products, request our Buyers Guide for the Food Industry. Hundreds of products, all available with one call.

- Safety & Personnel
- Production & Material Handling
- Sanitation & Janitorial
- Processing & Flow Control
- Laboratory & QA/QC
- Packaging & Ingredients

Call Customer Service at 800-826-8302

SANITATION & JANITORIAL

Nilfisk GM 80CR Cleanroom Vacuum

The portable GM 80CR is specially designed and packaged for cleanrooms and other areas that require the highest level of sanitation. Through its unique four-stage filtration system, the GM 80CR safely collects and retains fine dust and powders. It is equipped with an ULPA - retains 99.999% of particles, down to 0.12 microns-exhaust filter and is able to meet cleanroom standards up to and including Class 10 (ISO 4). The GM 80CR's motor is interference suppressed so it will not affect electronic equipment in cleanrooms.

Standard Accessory Kit includes: 30' power cord, 10' anti-static hose, dust brush, crevice nozzle, floor nozzle, 2-piece stainless steel wand, utility nozzle, tool caddy, detachable trolley, package of five paper bags.

- Tank Capacity: 3.24-gallon.
- Waterlift Max: 84".
- CFM Max: 80.
- Dimensions: 14" x 12" x 16"H.
- Volts: 115 @ 60Hz.
- Power: 1100 watts.



Nilfisk INDUSTRIAL VACUUM SOLUTIONS
founded since 1966

VIKAN Edge Bench Brushes

A dusting brush with a smooth, ergonomic designed handle. Soft bristles are designed for brushing dry, fine particles such as dust, dairy powders, flour, or icing sugar. Medium strength bristles remove moist or medium sized particles such as sugar, chocolate, pastry, or vegetable peelings. Also commonly used as a dustpan brush on floors. 2"L polyester bristles. 1.4" x 13"L block.



Mfg Part #	Color	Unit	Stock#	PRICE
Soft Bristles				
45875	White	EA	690-2383	\$10.61
45874	Red	EA	690-2382	\$10.61
45876	Yellow	EA	690-2384	\$10.61
45873	Blue	EA	690-2381	\$10.61
45872	Green	EA	690-2380	\$10.61
45879	Black	EA	690-2385	\$10.61
45877	Orange	EA	690-2386	\$10.61
45871	Pink	EA	690-2739	\$10.61
45878	Purple	EA	690-2387	\$10.61
Medium Bristles				
45895	White	EA	690-2573	\$10.61
45894	Red	EA	690-2572	\$10.61
45896	Yellow	EA	690-2574	\$10.61
45893	Blue	EA	690-2571	\$10.61
45892	Green	EA	690-2570	\$10.61
45899	Black	EA	690-2577	\$10.61
45897	Orange	EA	690-2575	\$10.61
45891	Pink	EA	690-2740	\$10.61
45898	Purple	EA	690-2576	\$10.61

Description	Unit	Stock#	PRICE
GM 80CR with Standard Accessory Kit	KT	475-6251	\$1,386.45
GM 80CR Replacement Filters			
Exhaust ULPA Filter	EA	475-6790	\$303.50
Standard Main Cotton Filter	EA	475-6405	\$99.20
Polyester Microfilter	EA	475-6202	\$40.74
GM 80CR Replacement Bag			
Dust Bag 5/pk	PK	475-6339	\$24.37

Sparta® Spectrum® Counter and Bench Brushes



Handy, exceptionally durable, yet surprisingly inexpensive. Quickly remove dust and dirt from counters, benches, shelves or other hard-to-reach spots. All brushes feature a convenient hanging hole for better storage. Bristles 8" L x 2-1/2" trim. Overall length 13". Plastic block. 12/case.

Mfg Part #	Color	Unit	Stock#	PRICE
4048002	White	EA	618-6686	\$11.54
4048005	Red	EA	618-6803	\$11.54
4048004	Yellow	EA	618-6923	\$11.54
4048014	Blue	EA	618-6775	\$11.54
4048009	Green	EA	618-6365	\$11.54
4048001	Brown	EA	618-6281	\$11.54
4048024	Orange	EA	618-6529	\$11.54
4048068	Purple	EA	618-6857	\$11.54

Prices subject to change.

SANITATION & JANITORIAL

Sparta® Spectrum® Duo-Sweep®
Angle Brooms

With color-coded bristles and handles, these angle brooms are designed to provide general purpose sweeping, reaching into corners, along walls, or into hard to reach areas for fast, efficient cleaning. No hood/shroud to break or gather soils leading to cross-contamination issues. 48" fiberglass handles. 54" OAL. Choose flagged bristles for sweeping fine particles and unflagged for large debris or in wet applications. 12/case.



Mfg Part #	Color	Unit	Stock#	PRICE
------------	-------	------	--------	-------

12" Flagged Brooms

4108202	White	EA	618-6240	\$25.31
4108205	Red	EA	618-6238	\$25.31
4108204	Yellow	EA	618-6239	\$25.31
4108214	Blue	EA	618-6235	\$25.31
4108209	Green	EA	618-6237	\$25.31
4108201	Brown	EA	618-6236	\$25.31
4108225	Tan	EA	618-6241	\$25.31
4108203	Black	EA	618-6249	\$25.31
4108224	Orange	EA	618-6350	\$25.31
4108268	Purple	EA	618-6199	\$25.31

12" Unflagged Brooms

4108302	White	EA	618-6247	\$24.12
4108305	Red	EA	618-6245	\$24.12
4108304	Yellow	EA	618-6246	\$24.12
4108314	Blue	EA	618-6242	\$24.12
4108309	Green	EA	618-6244	\$24.12
4108301	Brown	EA	618-6243	\$24.12
4108325	Tan	EA	618-6248	\$24.12
4108303	Black	EA	618-6230	\$24.12
4108324	Orange	EA	618-6352	\$24.12
4108368	Purple	EA	618-6177	\$24.12

Replacement 12" Flagged Heads

3686702	White	EA	618-6294	\$9.07
3686705	Red	EA	618-6293	\$9.07
3686704	Yellow	EA	618-6295	\$9.07
3686714	Blue	EA	618-6296	\$9.07
3686709	Green	EA	618-6297	\$9.07
3686701	Brown	EA	618-6298	\$9.07
3686703	Black	EA	618-6300	\$9.07
3686724	Orange	EA	618-6309	\$9.07
3686768	Purple	EA	618-6535	\$9.04

Replacement 12" Unflagged Heads

3686802	White	EA	618-6191	\$8.31
3686805	Red	EA	618-6192	\$8.31
3686804	Yellow	EA	618-6193	\$8.31
3686814	Blue	EA	618-6194	\$8.31
3686809	Green	EA	618-6195	\$8.31
3686801	Brown	EA	618-6196	\$8.31
3686825	Tan	EA	618-6197	\$8.31
3686803	Black	EA	618-6198	\$8.31
3686824	Orange	EA	618-6150	\$8.31
3686868	Purple	EA	618-6536	\$8.31

Plastic Dust Pans



Looking for a durable dust pan that is made to last? You've found it in this rubberized model that won't rust, dent or corrode. Handle has a hang-up hole for easy storage. Measures 12"W x 8"D x 3"H.

Color	Unit	Stock#	PRICE
White	EA	420-2570	\$4.16
Red	EA	420-2571	\$4.16
Yellow	EA	420-2572	\$4.16
Blue	EA	420-2573	\$4.16
Green	EA	420-2574	\$4.16
Gray	EA	420-2577	\$4.16
Brown	EA	420-2576	\$4.16
Black	EA	225-6068	\$4.11
Orange	EA	420-2575	\$4.16
Pink	EA	420-2579	\$4.16
Purple	EA	420-2578	\$4.16

VIKAN Hygienic Dust Pans



This hygienic dust pan makes quick work of clean-up. One piece injection molded polypropylene construction. Raised handle design with thumb grip. Made from FDA-compliant materials. 13"L x 11-1/2"W x 4"H.

Mfg Part #	Color	Unit	Stock#	PRICE
56605	White	EA	690-2050	\$14.42
56604	Red	EA	690-2051	\$14.42
56606	Yellow	EA	690-7005	\$14.42
56603	Blue	EA	690-2053	\$14.42
56602	Green	EA	690-2054	\$14.42
56609	Black	EA	690-2830	\$14.42
56607	Orange	EA	690-2821	\$14.42
56601	Pink	EA	690-2749	\$14.42
56608	Purple	EA	690-2818	\$14.42

Call Customer Service at 800-826-8302

SANITATION & JANITORIAL

DublNature® Controlled Roll Towels

DublNature controlled roll towels offer the softness and strength needed to elevate your hand-drying experience. DublNature features a unique weave pattern creating highly absorbent towels so fewer are needed per hand dry. Made from 100% high-quality recycled fibers for exceptional brightness and are GreenSeal™ certified. When combined with Wausau Paper® controlled roll towel dispensers, DublNature controlled roll towels offer the benefits of waste reduction and cost savings. All towels for use in the Wave'n Dry® (#80010 & #80020) and OptiServ® (#86800) controlled towel dispensers.

WAUSAUPAPER



Mfg Part #	Color	Size	Pkg	Wt	Unit	Stock#	PRICE
38040	White	8" x 800'/rl	6 rl/ca	20	CA	061-2040	\$52.84
31040	White	8" x 1000'/rl	6 rl/ca	24.9	CA	061-2327	\$55.10

EcoSoft® Controlled Roll Towels

Feature a blend of pre and post-consumer waste paper which ensures softness and quality. EcoSoft controlled roll towels provide added value and benefits such as controlled usage and cost savings when combined with Wausau Paper® controlled roll towel dispensers. Made entirely from 100% recovered fibers with a minimum of 40% post-consumer waste. Economical alternative to premium controlled towels. All towels for use in the Wave'n Dry® (#80010 & #80020) and OptiServ® (#86800) controlled towel dispensers.

WAUSAUPAPER



Mfg Part #	Color	Size	Pkg	Wt	Unit	Stock#	PRICE
31600	White	8" x 630'/rl	6 rl/ca	20.8	CA	061-2313	\$46.51
31500	Natural	8" x 630'/rl	6 rl/ca	23.5	CA	061-2314	\$47.74
31300	Natural	8" x 800'/rl	6 rl/ca	26.6	CA	061-2041	\$45.95
31000	Natural	8" x 1000'/rl	6 rl/ca	32	CA	061-2325	\$52.18

OptiServ® Hands-Free Towel Dispenser

WAUSAUPAPER

Offers the hygiene of hands-free dispensing without the need for batteries. Metered dispensing discourages waste and controls costs. The OptiServ is easy to use and accommodates up to 1,000 feet of toweling, making it ideal for high-traffic facilities where cleanliness is essential. Each pull of the exposed towel dispenses and cuts a single 11-inch towel. A locking cover prevents pilferage. Reversible cover can be configured to open from left or right. Built-in transfer eliminates stub roll waste and reduces service interruptions. Accommodates a variety of 8-inch controlled roll towels in Artisan®, DublNature® and EcoSoft® brands. Black. Requires Loan Agreement. Call for details.



Wave'n Dry® Electronic Roll Towel Dispensers

WAUSAUPAPER

Dispenses a single towel at the wave of a hand, ensuring the only thing you touch is your personal towel. Towels are stored fully protected inside the dispenser until you request service, which is particularly important when prevention of cross contamination is critical. Tailor dispensing to your facility's need by choosing a pre-set towel length of 8", 11", 16.5" or 22", and choose the optimal setting for delay between cycles and sensor sensitivity to prevent waste. Stub roll feature eliminates service interruptions. Accommodates a variety of controlled towel choices in Artisan®, DublNature® and EcoSoft® brands. Black. Requires Loan Agreement. Call for details.



Mfg Part #	Wt	Unit	Stock#	PRICE
86800	7.6	EA	061-2870	Call for details

Mfg Part #	Description	Wt	Unit	Stock#	PRICE
80010	Standard	9.5	EA	061-2990	Call for details
80020	Water resistant	9.9	EA	061-2992	Call for details

Prices subject to change.

SANITATION & JANITORIAL

Artisan® Opti-Fold® Towel



Artisan premium OptiFold towels are plush and absorb wetness quickly. Carefully crafted from innovative technology, these towels are brilliant white, remarkably strong and durable. Artisan OptiFold towels are made from superior quality recycled fibers providing premium appearance and comfort while also supporting sustainability initiatives.

Mfg Part #	Color	Size	Pkg	Wt	Unit	Stock#	PRICE
04420	White	10-1/4" x 9-1/2"	250 sheets/pk, 12 pk/ca	15	CA	061-2045	\$33.28

VersaClenz Hand Soaps and Sanitizers



An all-in-one hand hygiene system, the VersaClenz will dispense a spray, foam, liquid/gel, soap or sanitizer. Using a universal bottle system, the automatic dispenser will hold the same bottles as its manual counterpart. Each dispenser is shipped with a sheet of product stickers, allowing the user to identify which product is being dispensed. Lockable dispenser. Automatic dispenser uses 4 D batteries (included) providing approximately 100,000 applications. Automatic dispensers recommended for dry area placements where not routinely washed down: Production area entry points, restrooms, break areas, cafeterias, and offices. Dispensers offered at no charge with purchase of product. Call for details.

Description	Size	Pkg	Wt	Unit	Stock#	PRICE
Automatic Touchless Dispensers						
White			3.3	EA	764-2348	Call for details
Black			3.3	EA	764-2349	Call for details
Manual Dispensers						
White			1.8	EA	764-2330	Call for details
Black			1.8	EA	764-2331	Call for details
Soap Refill Cartridges for VersaClenz Dispensers						
Alpet E2 Sanitizing Foam Soap	1250 mL/1.25L	6/ca	19.4	CA	764-5428	\$74.85
Alpet Q E2 Sanitizing Foam Soap	1250 mL/1.25 L	6/ca	19.4	CA	764-5429	\$64.73
SoftenSure Antimicrobial Foam Soap	1250 mL/1.25 L	6/ca	19	CA	764-5430	\$61.83
SoftenSure Lotion Foam Soap	1250 mL/1.25 L	6/ca	20	CA	764-5431	\$57.86
Sanitizer Refill Cartridges for VersaClenz Dispensers						
Alpet E3 Plus Hand Sanitizer Spray	1000 mL/1 L	6/ca	13.9	CA	764-5120	\$80.78
Alpet E3 Foam Hand Sanitizer	1250 mL/1.25 L	6/ca	16.9	CA	764-5122	\$123.37
Smart-San Alcohol-Free Hand Sanitizer Foam	1250 mL/1.25 L	6/ca	19.3	CA	764-2420	\$84.64

Call Customer Service at 800-826-8302

SANITATION & JANITORIAL

Notice Hand Sanitizer Must Be Used Sign



Color	Size	Material	Unit	Stock#	PRICE
Blue/Black/White	7" x 10"	Dura-Fiberglass	EA	083-2004	\$13.48
Blue/Black/White	7" x 10"	Adhesive Dura-Vinyl	EA	083-2005	\$8.11

Clorox® Bleach Germicidal Wipe



One-step, ready-to-use disinfectants with a 1:10 bleach dilution. Tested for surface safety on common healthcare surfaces and equipment, the wipes feature an anticorrosion agent to ensure compatibility with hospital-grade surfaces. 6-3/4" x 9". 70 sheets/can. 6 cans/case.

Mfg Part #	Unit	Stock#	PRICE
35309	CA	477-2801	\$71.36

Alpet® D2 Surface Sanitizer & Disinfectant



Alpet D2 is the original ready-to-use no-rinse, alcohol/quat sanitizer/disinfectant for food contact surfaces. Ideal for water sensitive equipment, as it is highly evaporative, non-corrosive and fast-acting. Sanitizes in 60-seconds and disinfects in 5-minutes. With an NSF registered D2 classification, this one-of-a-kind product is powerful enough to kill Norovirus, yet safe enough to use on food-contact surfaces without a rinse. Proven rubber glove and rubber boot sanitizer. 58% isopropyl alcohol/quats formula. Kills 99.999% bacteria and viruses. Kosher certified and Parve. Halal certified.

Mfg Part #	Description	Pkg	Wt	Unit	Stock#	PRICE
SS10010	4-oz Spray bottle	24/ca	15.6	CA	764-5201	\$198.38
SS10003	Quart bottle w/sprayer	12/ca	26.4	CA	764-7014	\$106.33
SS10002	5-Gallon tote w/spigot	5 gal	41	PK	764-7016	\$107.07
SS10001	50-Gallon drum	50 gal	405	DR	764-5203	\$677.03

Prices subject to change.

SANITATION & JANITORIAL

Alpet® D2 Surface Sanitizing Wipes



Alpet D2 Surface Sanitizing Wipes are a ready-to-use, no-rinse, food-safe, lintless wiping system. Able to clean and sanitize. Available in either a heavy-duty 90-count canister or a 160-count canister for less industrial needs. With a 58% isopropyl alcohol/quat formulation, these wipes are ideal for water sensitive equipment.

This no-rinse food contact surface sanitizer combined with a durable wipe, kills 99.999% of bacteria in 60 seconds. Each canister has a spring-loaded, self-closing lid to prevent drying. Kosher certified and Pareve.

Mfg Part #	Description	Pkg	Wt	Unit	Stock#	PRICE
SSW0001	Heavy-duty wipes	90 wipes/can, 6 cans/ca	19.6	CA	764-5204	\$89.61
SSW0001-1	Heavy-duty wipes	90 wipes/can	3.2	CN	764-5206	\$16.38
SSW0002	Light-duty wipes	160 wipes/can, 6 cans/ca	18.5	CA	764-5160	\$89.61
SSW0002-1	Light-duty wipes	160 wipes/can	3	CN	764-5162	\$16.38

Refillable Wiping System



Save money with this refillable wiping system. Each canister contains either 90 thick, extra heavy-duty, durable wipes or 160 light-duty wipes suited to any industrial environment. When the canister goes empty, just reorder the 6-pack of refill rolls, and reuse the durable canister to save money and reduce waste. The wipes in each canister come dry. Add 1-quart of either Alpet® D2 or Alpet® E3 Plus to create the wiping system of your choosing. The spring-loaded lid self closes to prevent any of the wipes from drying out.

Mfg Part #	Description	Capacity	Pkg	Wt	Unit	Stock#	PRICE
SS10005-P	Heavy-duty dry wipes w/canister	90 wipes	6/ca	7	CA	764-7017	\$71.12
SS10005-R	Heavy-duty dry wipes refill	90 wipes	6/ca	4.5	CA	764-7019	\$51.76
SS10017-P	Light-duty dry wipes w/canister	160 wipes	6/ca	6.2	CA	764-2317	\$77.71
SS10017-R	Light-duty dry wipes refill	160 wipes	6/ca	3.6	CA	764-2318	\$53.92

Looking for more hand or surface sanitizing options? Check out our full line Buyers Guide, or go to our website at nelsonjameson.com

Call Customer Service at 800-826-8302

DISPOSABLE GLOVES**SaniWear™ Disposable Nitrile Gloves**

SaniWear disposable nitrile gloves are latex-free - but with the fit and feel of latex. These 5-mil gloves have great dexterity and are textured for an excellent grip. Economical chemical resistant gloves are industrial strength for tough applications in the food industry. Powder-free style comes in hard-to-find 2XL size. Blue. FDA accepted materials. 100/box; 10 boxes/case.



Size	Unit	Stock#	PRICE
Lightly Powdered			
M	BX	488-2710	\$7.23
L	BX	488-2715	\$7.23
XL	BX	488-2720	\$7.23
Powder-free			
S	BX	488-2728	\$7.43
M	BX	488-2730	\$7.43
L	BX	488-2735	\$7.43
XL	BX	488-2740	\$7.43
2XL	BX	488-2745	\$7.43

X3 Disposable Nitrile Gloves

Thinwall technology along with a "micro-roughened" grip combines great dexterity with excellent non-slip grip, both wet and dry. Great for food processing, this powder-free blue glove is 3-mil thick and latex-free. Five sizes for a comfortable fit. Comply with CFR 170-199 for food contact. 100/box; 10 boxes/case.



Size	Unit	Stock#	PRICE
S	BX	192-4285	\$6.26
M	BX	192-4286	\$6.26
L	BX	192-4287	\$6.26
XL	BX	192-4288	\$6.26
2XL	BX	192-4289	\$6.26

Purple Nitrile* Disposable Gloves

Unique purple color provides quick visual identification. These exam-grade nitrile gloves are 6-mil, latex-free, and provide excellent chemical and abrasion resistance. The textured fingertips enhance wet or dry grip, while the powder-free style reduces contamination of your products. 100/box; 10 boxes/case. XL is 90/box.



Size	Unit	Stock#	PRICE
XS	BX	371-2309	\$14.33
S	BX	371-2310	\$14.33
M	BX	371-2311	\$14.33
L	BX	371-2312	\$14.33
XL	BX	371-2313	\$14.33

**Purple Nitrile-XTRA* Disposable Gloves**

12" long to provide added protection for the forearm. These 6-mil, latex-free gloves are exam grade, powder-free, and have a beaded cuff to prevent drips up the arm. Superior chemical resistance and the textured fingertips provide excellent grip for all your maintenance, lab and processing tasks. Purple. 50/box. 10 boxes/case.



Size	Unit	Stock#	PRICE
S	BX	371-2324	\$12.38
M	BX	371-2325	\$12.38
L	BX	371-2326	\$12.38
XL	BX	371-2327	\$12.38



Prices subject to change.

CHEMICAL RESISTANT GLOVES

SaniWear™ Nitrile Gloves

You won't find a better glove for all-around use in the food industry for a better price. 100% premium nitrile gloves have an unlined interior. Excellent chemical and abrasion resistance makes these a great choice for dozens of uses around the food processing facility. Textured finish on both palms and fingers give better grip. Green. FDA accepted materials. Choice of 2 styles.

SaniWear™

Size	Pkg	Unit	Stock#	PRICE
13" long, 11-mil thick, 12 doz/case				
8	12 pr/dz	DZ	364-2935	\$16.65
9	12 pr/dz	DZ	364-2940	\$12.26
10	12 pr/dz	DZ	364-2945	\$16.65
11	12 pr/dz	DZ	364-2950	\$12.26

18" long, 22-mil thick, 36 pair/case				
8		PR	364-2900	\$4.53
9		PR	364-2905	\$4.53
10		PR	364-2910	\$4.53
11		PR	364-2915	\$4.53

Sol-Vex® Nitrile Gloves

Sol-Vex gloves are made of a high-performance nitrile compound which provides an outstanding combination of strength and chemical resistance. A superior choice over Neoprene and rubber when exposed to aromatic and petroleum solvents, caustics, and animal fats commonly found in food plants. Embossed grip makes wet handling safe and easy. Offers good protection against snags, punctures, abrasions, and cuts. Straight cuff. Green. Made from FDA accepted materials. Select a style to meet your needs.

Ansell

Size	Pkg	Unit	Stock#	PRICE
37-145 Sol-Vex, unlined, 13" length, 11-mil, 12 doz/cs				
8	12 pr/dz	DZ	193-2338	\$16.63
9	12 pr/dz	DZ	193-2339	\$16.63
10	12 pr/dz	DZ	193-2340	\$16.63
11	12 pr/dz	DZ	193-2341	\$16.63

37-175 Sol-Vex, flock lined, 13" length, 15-mil, 12 doz/cs				
7	12 pr/dz	DZ	193-2377	\$18.62
8	12 pr/dz	DZ	193-2378	\$18.62
9	12 pr/dz	DZ	193-2379	\$18.62
10	12 pr/dz	DZ	193-2380	\$18.62
11	12 pr/dz	DZ	193-2381	\$18.62

37-165 Sol-Vex, unlined, 15" length, 22-mil, 72 pr/cs				
9		PR	193-2509	\$5.54
10		PR	193-2510	\$5.54
11		PR	193-2511	\$5.54

37-185 Sol-Vex, unlined, 18" length, 22-mil, 12 pr/cs				
7		PR	193-2395	\$8.38
8		PR	193-2400	\$8.38
9		PR	193-2405	\$8.38
10		PR	193-2410	\$8.38
11		PR	193-2415	\$8.38

TEMPERATURE RESISTANT GLOVES

MAPA® Temp-Tec Insulated Gloves

14" Neoprene gloves can withstand intermittent contact with temperatures up to 480°F and as low as -100°F. A cotton jersey thermal liner makes these gloves ideal in food processing, freezer work, and other manufacturing facilities. Chemical resistant two-tone blue glove with non-slip grip meets FDA standards for food contact.

MAPA®
PROFESSIONAL

Size	Unit	Stock#	PRICE
8	PR	192-2238	\$32.58
9	PR	192-2239	\$29.38
10	PR	192-2240	\$26.86

42-474 CRUSADER® Flex Nitrile-Coated Gloves

Non-asbestos gloves can be used in the food plant lab for handling hot glassware or for shop and maintenance work. Insulated with non-woven felt for its entire 14" length to protect high on the arm. An exclusive nitrile coating helps protect against abrasions and cuts. Rated for intermittent handling of objects up to 400°F. Long-wearing. Launderable. Not liquid resistant. 72 pair/case. Size 9 only.

Ansell

Unit	Stock#	PRICE
PR	193-2550	\$12.76

Heavyweight Cotton Knit Terry Gloves



Protect your hands and fingers with this 24-oz cotton terry glove with sewn-on knit wrist. Loop-out construction provides improved cut resistance and moderate protection for intermittent contact with temperatures up to 250°F. Natural color. 12 pair/dozen.

Size	Unit	Stock#	PRICE
Men's	DZ	145-7021	\$17.43
Women's	DZ	145-7022	\$14.37

Call Customer Service at 800-826-8302

HAIR & BEARD RESTRAINTS

Color-Coded O.R. Caps

Choose these economical non-woven polypropylene bouffant caps to add to the color-coding program in your food processing facility. Comfortable, latex-free hair control is flame resistant. 100/bag; 10 bags/case.



Color	Unit	Stock#	PRICE
19"			
White	BG	358-2618	\$3.14
Light Blue	BG	358-7008	\$3.14
21"			
White	BG	358-2621	\$3.34
Red	BG	358-2650	\$3.40
Yellow	BG	358-2680	\$3.53
Green	BG	358-2670	\$3.34
Orange	BG	358-2660	\$3.34
Light Blue	BG	358-7009	\$3.34
Navy Blue	BG	358-2690	\$3.40
24"			
White	BG	358-2624	\$4.42
Red	CA	358-2651	\$44.24
Yellow	CA	358-2682	\$44.24
Green	CA	358-2671	\$44.24
Orange	CA	358-2661	\$44.24
Light Blue	BG	358-7010	\$4.42
26"			
White	CA	358-2626	\$167.13
28"			
White	BG	358-2628	\$9.73

Economy Heavyweight Mesh Hairnets

Your employees will love the softness of these heavyweight nylon mesh nets with 1/8" honeycomb hole pattern. Comfortable latex-free elastic. Superior protection for food handlers. White or blue. 100/bag; 10 bags/case.



Size	Unit	Stock#	PRICE
White			
18"	BG	358-2818	\$6.68
21"	BG	358-2821	\$14.56
24"	BG	358-2824	\$17.28
28"	BG	358-2828	\$23.19
Blue			
21"	BG	358-2832	\$14.56
24"	BG	358-2833	\$17.28

Economy Beard Covers

The same great quality as our economy hairnets. Choice of several styles for your food handlers with facial hair. Latex-free elastic. 100/bag; 10 bags/case.



Material	Color	Size	Unit	Stock#	PRICE
Non-woven	White	Standard	BG	358-2630	\$3.66
Non-woven	White	Jumbo	BG	358-7015	\$15.53
Non-woven	Blue	Standard	BG	358-7021	\$3.02
Heavy-weight mesh	White	Standard	BG	358-2830	\$5.87
Heavy-weight mesh	Blue	Standard	BG	358-7035	\$6.29
Stocking mesh	White	Standard	BG	358-2930	\$12.82

For a complete listing of Safety products, request our full line Buyers Guide, or visit our website at nelsonjameson.com

- Head & Face Protection
- Hearing Protection
- Eye Protection
- Respiratory Protection
- Hair & Beard Restraints
- Gloves

- Clothing
- Footwear
- Ergonomic Protection
- Fall Protection
- First Aid & Emergency
- Identification Protection

SAFETY GLASSES & GOGGLES

Uvex™ Protégé® Safety Glasses with Hydroshield™ Anti-Fog Coating

Designed with proprietary Floating Lens™ technology, Uvex Protégé combines sport-inspired styling with a flexible, lightweight design. Combine this with Uvex Hydroshield Anti-Fog coating and workers can now work fog-free for longer than ever before. Permanently bonded to the lens, Hydroshield delivers anti-fog protection that last up to 60x longer - even after extended wear and repeated cleaning and provides 2x greater scratch-resistance than competitive anti-fog coated products. Meets ANSI Z87.1-2010 Standard.

Frame Color	Lens Color	Unit	Stock#	PRICE
Black	Clear	PR	526-9515	\$4.79
Black	Gray	PR	526-9522	\$5.51

**Uvex™ Ultra-spec® 2001 OTG Eyewear**

Lightweight over the glass styling to accommodate prescription wearers. Clear frames and lens is chemical and scratch resistant with an anti-UV coating. Adjustable Duoflex® comfort cushion temples. Meets ANSI Z87+ (High Impact) Standard.

Mfg Part #	Lens Color	Unit	Stock#	PRICE
S0112	Clear	PR	197-2801	\$4.58
S0113	Gray	PR	197-2802	\$6.24

**3M™ Nuvo™ Readers Safety Glasses**

Features the classic look of a dual lens with the added comfort of a soft nosepiece. Padded brow-bar cushions forehead. Integral sideshields. Gray frame with clear anti-fog bifocal lens. Meets ANSI Z87.1-2003 Standard.

Diopter	Unit	Stock#	PRICE
1.5	PR	196-2686	\$10.76
2.0	PR	196-2687	\$10.76
2.5	PR	196-2690	\$10.76

**Notice Safety Glasses Required Beyond this Point Sign**

Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MPPE849XV	Blue/Black/White	7" x 10"	Adhesive Dura-Vinyl	EA	083-7007	\$9.57

Caution Safety Glasses Required in this Area Sign

Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MPPE794XV	Black/Yellow	7" x 10"	Adhesive Dura-Vinyl	EA	083-2235	\$9.57

Call Customer Service at 800-826-8302

SAFETY GLASSES & GOGGLES

Caution Eye Protection Required Sign



Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MPPE791XV	Black/Yellow	7" x 10"	Adhesive Dura-Vinyl	EA	083-2815	\$9.57
MPPE791XF	Black/Yellow	7" x 10"	Dura-Fiberglass	EA	083-7285	\$15.91

Stealth Safety Goggles with Uvex Hydroshield™ Coating

Features a soft elastomer body to easily flex and conform to the face, the Uvex Stealth provides comfortable gap-free fit for exceptional protection against chemical splash and impact. These goggles feature the revolutionary new Uvex Hydroshield Anti-Fog lens coating that keeps workers fog free for longer than ever. Permanently bonded to the lens, Hydroshield delivers anti-fog protection that lasts up to 60x longer - even after extended wear and repeated cleaning. Provides 2x greater scratch-resistance than competitive anti-fog coated products. Meets ANSI Z87.1-2010 Standard.



Jackson Safety* V90 Shield* Goggle Protection

Features the Monogoggle* XTR* with indirect ventilation and polycarbonate shield for full face protection. Curved face shield is detachable and conforms to face for added protection. Can be used over most prescription eyeglasses. Meets ANSI Z87.1+ Standard.



Unit	Stock#	PRICE
EA	192-7031	\$20.10

Frame Color	Lens Tint	Unit	Stock#	PRICE
Gray	Clear	PR	526-9516	\$11.51
Black	Gray	PR	526-9523	\$12.15

Uvex™ Carbonvision™ Goggles

Boasts exceptional performance in a compact, lightweight, comfortable design that workers look for in a goggle. Weighing in at just over an ounce and a half, the Uvex Carbonvision goggle is one of the lightest wide-view goggles on the market. Now wearers can work for longer periods without the distractions and problems caused by discomfort, thereby increasing productivity and promoting a safer workplace. Goggles feature a fabric headband as well as Dura-streme® hard coat and anti-fog lens. Black frame with clear lens. Meets the ANSI Z87.1-2010 Standard.



Unit	Stock#	PRICE
PR	192-7038	\$12.40

Uvex™ Turboshield™

Provides superior comfort for longer wear, the easiest visor exchange available, and optimal balance when used with a hard hat. The Uvex Turboshield system is perfect for workers exposed to falling or flying objects, impact, splash, and airborne debris. It can be worn comfortably with most goggles, respirators, and earmuffs. Order headgear and visor separately. Meets ANSI Z87.1-2010 Standard.



Description	Color	Material	Unit	Stock#	PRICE
Ratchet headgear	Black	-	EA	197-7050	\$18.25
Visor	Clear, Hardcoat/Anti-Fog	Polycarbonate	EA	197-7051	\$25.17

Prices subject to change.

SLEEVE PROTECTORS & LAB COATS

KleenGuard® A40 Sleeve Protectors

Stay comfortable while you work with these white sleeve protectors. Made from a breathable, microporous film laminate, which offers low linting, and better liquid and particulate barrier than Tyvek®. 18" long, and elasticized on both ends to ensure arm protection. Low in lint. Passes NFPA 99 Criteria for antistatic materials. 200 each/case.



Mfg Part #	Color	Unit	Stock#	PRICE
44480	White	CA	371-2200	\$71.79

TYVEK® Sleeve Protectors

Tough Tyvek liquid resistant material serves a variety of splash and chemical applications in the food industry. Elasticized on both ends so they are easy to get on and off. White. 100 pair/case.



Size	Unit	Stock#	PRICE
Short, 7¼" W x 16" L	CA	112-2209	\$108.27
Large, 7¼"W x 18"L	CA	112-2210	\$104.00
Jumbo, 8¼"W x 18"L	CA	112-2211	\$125.50

PosiWear™ Sleeve Protectors

PosiWear Ultimate Barrier proprietary technology against dry particulates and liquid splash including viral and bloodborne pathogens, as well as non-hazardous chemicals. Latex free elastic openings designed to fit most sizes. Passes NFPA 99 Antistatic test, low lint. White, 18" long, 7" wide. 100 pair/case.



Mfg Part #	Unit	Stock#	PRICE
3712	CA	112-2200	\$94.61

SaniWear™ Color-Coded Disposable Lab Coats with Hook & Loop Closure

Our innovative SaniWear disposable lab coats will help you meet - even exceed - your food safety and GMP requirements. Hook and loop closure eliminates snaps which have the potential to fall off and risk possible product contamination. Made of lightweight, breathable, non-woven polypropylene material and feature a pocketless design with elastic wrists. Choice of 4 colors, in sizes up to 5XL. 30/case.



Size	Unit	Stock#	PRICE
White			
M	CA	652-1101	\$28.02
L	CA	652-1102	\$28.02
XL	CA	652-1103	\$28.02
2XL	CA	652-1104	\$28.02
3XL	CA	652-1105	\$28.02
4XL	CA	652-1106	\$29.42
5XL	CA	652-1107	\$29.42
Red			
M	CA	652-1401	\$29.77
L	CA	652-1402	\$29.77
XL	CA	652-1403	\$29.77
2XL	CA	652-1404	\$29.77
3XL	CA	652-1405	\$29.77
4XL	CA	652-1406	\$31.26
5XL	CA	652-1407	\$33.44
Navy			
M	CA	652-1201	\$29.17
L	CA	652-1202	\$29.17
XL	CA	652-1203	\$29.17
2XL	CA	652-1204	\$29.17
3XL	CA	652-1205	\$29.17
4XL	CA	652-1206	\$30.63
5XL	CA	652-1207	\$30.63
Light Blue			
M	CA	652-1301	\$29.17
L	CA	652-1302	\$29.17
XL	CA	652-1303	\$29.17
2XL	CA	652-1304	\$29.17
3XL	CA	652-1305	\$29.17
4XL	CA	652-1306	\$30.63
5XL	CA	652-1307	\$30.63

Like the convenience of ordering online?
Visit our website at nelsonjameson.com

Call Customer Service at 800-826-8302

SHOE COVERS & FIRST AID

Economy Non-Woven Polypropylene Shoe Covers

Non-woven polypropylene covers give low-cost shoe protection in dry areas. Covers can also prevent contamination from outside sources being walked into your sanitary environment. Secure fitting elastic tops, with plain or non-skid sole. White or blue.



Color	Size	Sole	Pkg	Unit	Stock#	PRICE
White	Large	Non-Skid	150 pr/ca	CA	358-7017	\$24.36
White	Large	Plain	100 pr/ca	CA	358-7028	\$23.42
White	XL	Non-Skid	150 pr/ca	CA	358-7048	\$24.36
Blue	Large	Non-Skid	150 pr/ca	CA	358-7001	\$24.36
Blue	XL	Non-Skid	150 pr/ca	CA	358-7019	\$32.60

KleenGuard® A40 Shoe & Boot Covers

Designed to provide an excellent liquid and particulate barrier. These white covers are made from a breathable, microporous film laminate. 200 pair/case.



Style	Size	Unit	Stock#	PRICE
Shoe Covers				
Fully elastic	Universal	CA	371-2010	\$149.82
Fully elastic with vinyl sole	M/L	CA	371-2012	\$305.88
Fully elastic with vinyl sole	XL/2XL	CA	371-2013	\$305.88
Boot Covers				
Elastic top, 17"	Universal	CA	371-2015	\$230.97
Elastic top, 18" with vinyl sole	XL	CA	371-2016	\$418.24



25-Person First Aid Kit

Kit includes:

- 1 - Adhesive Tape 1/2" x 5 yds.
- 1 - Pair of vinyl gloves.
- 4 - Gauze pads 3" x 3".
- 2 - Oval eye pads.
- 10 - BZK antiseptic wipes.
- 2 - Ammonia inhalant.
- 6 - First aid cream, 1.0 gr.
- 1 - ABD Combine pad 5" x 9".
- 1 - Gauze clean-wrap bandage.
- 1 - First Aid Cream.
- 1 - Instant Cold Pack.
- 1 - Gauze bandage 4" x 6".
- 1 - Tweezer 3-1/2".
- 1 - Scissors 4".
- 1 - First Aid Guide.
- 1 Box - 1" x 3" plastic bandages (100/box).
- 1 Box - Triple Antibiotic (10/box).
- 1 Box - Burn Jel 1/8-oz (6/box).



Honeywell

Size	Unit	Stock#	PRICE
10.5"L x 7.25" x 2.5"W	KT	526-9518	\$21.17

Prices subject to change.

EMERGENCY WASHES

AXION® Emergency Showers and Face Wash Stations

AXION emergency showers and eye wash stations incorporate the revolutionary inverted flow design which sweeps contaminants away from the vulnerable nasal cavity. This is the only design currently on the market that provides a Medically Superior Response consistent with all EMT, emergency room, and doctor office protocols.

AXION® eyePOD®

Ideal for industrial situations. The symmetrical 'pod' look of the eyewash is constructed of stainless steel and given a polished finish for a durable, esthetically pleasing piece of emergency equipment. Installation is easy as the unit includes 4 faucet adapters in addition to the 55/64-27 female connection which is standard. Features a thermostatic shutoff that will protect the user from water over 100°F by shutting off the eyewash. Meets the ANSI Z358.1 Standard for Emergency and Shower Equipment.

Model	Unit	Stock#	PRICE
7620	EA	310-2175	\$260.00

AXION® MSR Emergency Shower and Eye/Face Wash

Features a new hydrodynamic shower design. Minimizes the strong physical pressure that drives the water to the outer rim of normal shower heads, making the distribution equal across the entire footprint of the flow. Better use of the water flowing through the shower makes it more effective, while breaking the streams of water into smaller individual droplets provides a more comfortable environment.

Features:

- Stainless steel push flag for eyewash activation.
- Stainless steel pull rod for shower activation.
- Mesh in-line eyewash strainer to collect line debris.
- Ball valves with stainless steel ball and stem for durability.

Pipe and fitting: 1-1/4" Schedule 40 hot-dipped galvanized steel. Supply and Waste: 1-1/4" IPS. Meets ANSI Z358.1 Standard for emergency Eyewash and Shower Equipment.



Model	Unit	Stock#	PRICE
8320-8325	EA	310-2419	\$985.00
8300-8309	EA	310-2400	\$1,060.00

Scienceware® Plum Emergency Neutralizing Eye Wash Systems

Don't just rinse your eyes – neutralize! Strong alkalis and acids can penetrate the cornea in 45 seconds, permanently impairing vision. With the Plum neutralizing eye wash stations, rapid neutralization back to the eye's normal pH of 7.4 can be accomplished in just 20 seconds. The bottles require no maintenance or cleaning, have a shelf life of up to 3 years, and meet all U.S. federal regulations. Complies with ANSI standards. Place near hazardous operations for immediate action, followed by OSHA prescribed treatment using eye rinse station.

Note: saline solution is non-neutralizing and for rinsing only.



Description	Size	Pkg	Unit	Stock#	PRICE
Neutralizing eye wash station	Neutralizer: 200 mL; sterile saline: 500 mL	1/bx	BX	010-3003	\$59.90
Eye neutralizer refill	200 mL	3/pk	PK	010-3006	\$41.40
Eye saline solution refill	500 mL	3/pk	PK	010-3007	\$36.75

Eye Wash Sign

Mfg Part #	Color	Size	Material	Unit	Stock#	PRICE
MFSD421XV	Green/White	7" x 10"	Adhesive Dura-Vinyl	EA	083-2705	\$9.57

Call Customer Service at 800-826-8302

Pricing

Call us toll free at 800-826-8302 for the most current pricing. Prices published are current at press time and are for comparison purposes. Quantity and volume discounts may be available.

Price Policy

Prices are FOB shipping point (WI, ID or CA), unless we specify otherwise. Buyers must pay all applicable taxes, duties, tariffs, as well as transportation, insurance, handling, and packing charges. In most cases, these will be added directly to your Nelson-Jameson invoice. Please consult with our billing department regarding exemption certificates and payment of use taxes.

No Minimum Order Requirement

So that we can quickly meet your emergency needs, Nelson-Jameson has no minimum order requirement. We trust that you will attempt to avoid uneconomically small orders except in emergencies.

Hours

Phone orders call 800-826-8302: 7 a.m. to 5:30 p.m. Central Time, Monday through Friday. Fax orders to 800-472-0840, 24 hours/day.

Payment Terms

Regular payment terms are net 30 days to customers with open account status. Past due accounts are subject to a finance charge of 1.5% per month (18% per annum).

New Accounts

Nelson-Jameson is a business-to-business seller serving food processors. To open a new account, call our customer service department. The application which we provide requests four trade references and a bank reference. Credit approval is required prior to shipping. Prior to establishment of an open account, we can ship COD or prepaid orders (we accept VISA, MasterCard and American Express).

Specifications

Product specifications - including USDA, OSHA, FDA and other regulatory approvals are subject to change without notice. Please ask for and read current specifications before placing your order. Customers are expected to make their own determination of product suitability for their application and of compliance with laws and rules of governmental agencies.

Sales Tax

Sales tax is assessed as accurately as possible in the states where we are registered to collect and remit the tax. It is the responsibility of the customer to remit any sales tax due on transactions when not assessed by Nelson-Jameson.

Special Orders

For more than 50 years, we have provided food processors with hard-to-find items. If you need an item not listed in this catalog, call one of our product specialists for assistance. Delivery time, minimums and return policy will vary on special orders.

Questions & Comments

If you have questions, comments, or complaints, simply let us know. Call us toll-free about Nelson-Jameson products, service, prices, credit policies, sales tax charges, shipping, your invoice or anything else of concern to you. Our customer service staff will obtain an answer for you or will route your concerns to the appropriate department. If you feel we are not being responsive to your needs, please call our customer service supervisor. Our is your total satisfaction.

You may write, visit, email, call or fax us at any time: Nelson-Jameson, Inc.

2400 E. 5th St., Marshfield, WI 54449

Phone: 800-826-8302 Fax: 800-472-0840

sales@nelsonjameson.com

Warranty

Products not manufactured, assembled, modified or combined by Nelson-Jameson are warranted only to the extent of the warranties provided by the manufacturer of such products may be passed through to you. Those warranties which are passed through to you are the only warranties given with respect to those products, and Nelson-Jameson does not provide any warranties with respect to those products. To the extent allowable by law, we hereby assign such warranties to you, the customer.

Products modified or combined by Nelson-Jameson are warranted, at the time of delivery, to conform to their published specifications, or those specifications agreed to in writing by an authorized officer of Nelson-Jameson. No employee or agent of Nelson-Jameson has authority to create for Nelson-Jameson any other obligation or liability with respect to products or services it sells.

Products modified or combined by Nelson-Jameson at the request of the buyer are warranted, at the time of delivery, to conform with the specifications agreed to in writing by an authorized officer of Nelson-Jameson. No employee or agent of Nelson-Jameson has authority to create for Nelson-Jameson any other obligation or liability with respect to products or services it sells.

Repair, replacement or refund of the purchase price of products not meeting the specifications is the exclusive remedy under this warranty or any implied warranty.

The foregoing warranties are exclusive and in lieu of all other express and implied warranties, including, by not limited to, the warranties of merchantability and fitness for a particular purpose, which hereby are expressly disclaimed.

Incidental and Consequential Damages. In no event shall Nelson-Jameson be liable for any penalties, special, contingent, punitive, incidental or consequential damages or losses.

Force Majeure

Liability for performance or failure to perform hereunder shall be excused to the extent caused by act of God, labor trouble, fire, act of governmental authority, shortage of raw materials or labor, failure of transportation or supplies, accident or any other cause beyond the control of the party claiming such excuse. The party claiming such excuse shall give written notice to the other party within ten (10) days after occurrence of the event giving rise to the claim, stating in such notice its best estimate of the duration of the delay.

Limitation of Seller's Liability

Seller's liability for any legal claim, whether in contract, tort or otherwise, arising out of, connected with, or resulting from the sale, delivery, resale, repair, replacement, or use of the goods sold by Seller hereunder shall in no event exceed the purchase price of such goods and also shall be limited to, at Seller's sole option, replacing or repairing or issuing a credit or refund for that part of the purchase price of such goods which is allocable to the part or parts of the goods related thereto which give rise to such claim.

Governing Law and Venue

This agreement and the sale of the products and services hereunder shall be governed and construed according to the internal laws of the state of Wisconsin, United States of America. The parties hereby agree that any legal action deemed necessary by either party to this agreement and the sale of the products and services hereunder shall be brought in the State Court in and for the Marathon County, Wisconsin, and both parties hereto hereby consent to the personal jurisdiction of such court in any such action over the parties hereto. This provision

specifically excludes venue and jurisdiction in any other state or federal court.

State of Limitations. Any action, whether based upon theories of breach of warranty, breach of contract, negligence or otherwise, with regard to the products or services sold hereunder must be commenced within one (1) year after the cause of action has occurred.

Shipping Information

Nelson-Jameson shall use commercially reasonable efforts to ensure that items are shipped the same day if ordered before 2 p.m. Central Time. We will use our best judgment to route your order, unless you give us specific instructions otherwise. Most orders are shipped via FedEx, UPS, or other carriers, and insured. Our traffic manager will be happy to discuss optional shipping methods if you need faster service. In some areas, Nelson-Jameson's own trucks are a prompt, cost-effective delivery method.

Hazardous materials are restricted by DOT and other carriers within some air and ground service classifications. Please consult with us to determine the most cost-effective method to safely ship your orders of hazardous materials. Temperature-sensitive products are shipped early in the week, if temperatures are extreme, to avoid transit on weekends. If you do require us to ship these products when there is danger of damage by cold or heat, we will use insulated containers and/or select qualified carriers. Cost of special handling, packing, and transporting will be charged to the customer.

Returns

Stock merchandise, with certain exceptions, may be returned for full credit at any time within 60 days of purchase. It must be returned prepaid and received in saleable condition, as determined by Nelson-Jameson. Exceptions include food ingredients; laboratory standards; and temperature-sensitive, hazardous, or dated materials; these are considered on a case-by-case basis. Other returns may be refused or subjected to a minimum of 15% restocking charge, at Nelson-Jameson's sole discretion.

To return any merchandise, call us for shipping instructions and a Returned Goods Authorization (RGA) number. Please provide company name and location, pertinent information about the order, and the reason for requesting the return. The RGA number will be your authorization to return the merchandise. Credit may be issued following receipt and inspection of returned merchandise.

Product defects, as determined by Nelson-Jameson in its sole discretion, and our shipping errors will be promptly corrected in accordance with the terms of this Agreement, at no cost to customers. Full credit will be issued for defective or incorrect merchandise, as determined by Nelson-Jameson in its sole discretion, which you return, as well as reasonable shipping charges.

Damaged or Lost Shipments

Orders are carefully packed for shipment. In case of damage, you must keep the original carton, packing material and damaged merchandise intact. Call us so we can promptly make a replacement shipment. The carrier is responsible for damage in transit; but you, the recipient, must initiate any claim with the carrier. With truck shipments, you must note any visible damage on the freight bill and always sign "Subject to inspection for hidden damage". If hidden damage is found, call the carrier back to inspect it immediately. Unfortunately, you have no recourse without their inspection report. Overdue or lost shipments can be traced whether shipped by LTL, FedEx, or UPS. Call us for assistance.

Numerics

2-oz. Sample Vials	160
3M™ Petrifilm™ Plates & Accessories	169
3-oz. Sample Vials	161

A

A/E Type Filter Paper & Pads	209
Absorbent & Spill Control	206
AC Adapters	
Balance Accessories	37
Accessories for Pipettors	141, 144
Accessories for Stir Bars	62
Acid Buffer for M926 Chloride Analyzer	205
Acid Degree Value Buret	
Glass Reusable Burets	139
Acid Degree Value Syringes	141
Acid Hydrometers	70
Acid Test Cup	
Titratable Acidity Cup	76
Acid, Babcock	
Chemicals & Laboratory Reagents	201
Acidity Test	
Non-Glass Titratable Acidity Testers	76, 138
Titratable Acidity Testers	75, 138
Active Salt Software	
Chloride Analyzer Supplies & Accessories	3
Adapters	
Centrifuge/Shaker Parts & Accessories	6
Agar	
Bacteriological Dry Culture Media	176
Agar Strips	
Air Sampler for Environmental Sampling	200
Air Displacement Pipettors	143
Air Sampler for Environmental Sampling	200
Air Sampler Parts & Accessories	
RCS Air Sampler Parts & Accessories	199
Alarms	
Temperature Alarm for Laboratory Thermometers	103
Alcohol Burners	181
Alconox Lab Detergents	214
Algicide	
Lab Supplies & Accessories	47
Allergen Test Strips & Papers	189
ALP Testing	
Fluorophosphos ALP Test System	19
Aluminum Moisture Dishes	
Moisture Dishes	55, 210
Analog Refractometers	72
Analytical & Precision Balances	26, 27, 28, 30
Analytical Balances & Scales	26
Analytical Chemicals Reagents & Chemicals	76
Anerobic Biological Media Kits & Accessories	178
Angle Brooms	223

Antibiotic Standards Tubes	133
Anti-Fatigue Mats	218
Antimicrobial Mats	218
Applicator Swabs	
Cotton Tipped Swabs & Applicators	196
Applicators	
Tongue Depressors	165
Aprons & Rainwear	
Sleeve Protectors, Aprons & Rainwear	233
AquaPro pH Electrodes	86
Arm Guards	
Sleeve Protectors	233
Aseptic Sampler	
Elbow Fittings for Aseptic Sampling System	153
Safe-Septum Membrane for Aseptic Sampling System	154
Tank Fittings for Aseptic Sampling System	154
Aseptic Sampling Membranes	
QMI Membranes	153
ATC Probes	
Electrode Supplies & Accessories	78
ATP Testers	188, 192, 193, 194
Swabs & Applicators	194
Autoclave Parts	22, 24
Autoclave Supplies & Accessories	23, 24, 25
Chamber Cleaner	25
Hand Protector	25
Spore Strips	23, 24
Autoclaves	21, 22, 23
Automatic Refractometers	72
Aw Parts and Accessories, Water Activity Meters	59, 60
Axiom Products	
Scoops & Measures	123

B

B.O.D. Bottle Carrier	87
Babcock Bottle Brushes	
Gerber Milk Test Brushes, Laboratory	11
Babcock Bottle Centrifuges	5
Babcock Bottles	
Skim Test Babcock Glassware	9
Babcock Divider	7
Babcock Test	
Test Bottle Washer	10
Water Heater	7
Babcock Water Baths	7
Bacillus Enterotoxin Test Kits	
Environmental Test Kits & Accessories	173
Bacteriological Dry Culture Media	176
Bacteriological Glass Reusable Pipets	148
Bacteriological Plastic Disposable Pipets	149
Bags	
Aseptic Sampler Membranes & Bags	153
Autoclave Supplies & Accessories	24, 25

Bags (Continued)	
Chicken Rinse Sample Bags	187
Filter Sample Bags	44
Flat Wire Sample Bags	156
Pocket Sample Bags	157
Poly Food Bags	219
Sample Bags	155, 158, 159
Speci-Sponge Sample Bags	197
Stand-Up Sample Bags	157
Stomacher® Bags	43, 44
Thio Water Sample Bags	157, 200
Twirl-Em® Sample Bags	158
Waste Bags	25
Bags & Sample Containers	151, 156, 157
Balance	
Analytical & Precision	26, 28, 30
Balance Accessories	28, 37, 40, 210
Balance Weights & Weight Sets	38, 39, 40
Compact Scales	33
Balances	
Moisture Balances	57, 58
Portable/Compact Balances	29
Balances & Scales	26, 27, 32, 33, 36, 37
Analytical Balances & Scales	26
Compact Balances & Scales	31
Platform Balances & Scales	32
Precision Balances & Scales	27, 29, 34
Stainless Steel Washdown Balances & Scales	35
Washdown Balances & Scales	33, 35
Washdown Bench/Floor Balances & Scales	32
Baskets	
Hydrometer Racks	208
Polypropylene Baskets	132
Test Tube Baskets	132
Wire Laboratory Baskets	208
Baths	
Water Baths	45
Batteries	
Flashlights, Batteries & Accessories	218
Baume Hydrometers	70
BBL Prepared Biological Media	176
BBL Stains	66, 183
Beakers	
Berzelius Glass Reusable Beakers	122
Chloride Titration Beaker for M926 Chloride Analyzer	3
Glass Reusable Beakers	121
Graduated Measures	123
Graduated Plastic Reusable Beakers	122
Griffin Glass Reusable Beakers	121
Kimax® Glass Reusable Beakers	121
Plastic Reusable Beakers	122, 132
Pyrex® Glass Reusable Beakers	121
Beard Covers	230
Benchtop Meters	
pH Meters	4, 77, 78
Benchtop Refractometers	
Refractometers	74
Berzelius Glass Reusable Beakers	122
Bi-Metal Dial Thermometers	107, 108, 118
Bi-Metal Pocket Thermometers	107
Binocular Microscopes	63
Biohazard Bags	
Autoclave Supplies & Accessories	24, 25
Biological Indicators	
Autoclave Supplies & Accessories	23, 24
Biological Media	
Biological Media Kit/Accessories	172
Dry Culture Media	178
Kits & Accessories for Biological Media	175, 200
Petrifilm™ Plates Biological Media	170
Prepared Biological Media	183, 190
Biomixer Laboratory Blenders	41
Blender Parts & Accessories	43
Blenders	42
Biomixer Laboratory Blenders	41
Osterizer® Blenders	41
Stomachers	42, 43
Waring® Blenders	41
Block Heater Thermometers	48
Block Heaters	47, 48
Boats	
Weigh Boats	40, 210
BOD Probes	
Electrodes	87
Boekel Water Baths	
Water Baths	45
Boiling Beads	
Glass Beads	125
Books	
Food Safety Books & Manuals	216
Standard Methods Books & Manuals	215
Water & Wastewater Books & Manuals	215
Bottle Carriers	
B.O.D. Bottle Carrier	87
Bottle Shakers	6
Bottle Washer	
Test Bottle Washer	10
Bottles	
Babcock Glassware	9
Gerber Glassware	11
Glass Reusable Bottles	134, 135
Milk Fat Test Gerber Glassware	11
Nalgene® Plastic Reusable Bottles	135
Plastic Reusable Bottles	65, 135, 136
Reusable Wide Mouth Glass Bottles	135
Skim Test Babcock Glassware	9

Bottles (Continued)		
Van Gulik Gerber Glassware	11	
Bottletop Dispensers	140, 141	
Boxes		
Pipet Box	151	
Brass Sieves	14	
Brine Concentration Tester		
Conductivity Meters	69	
Brine Hydrometers	70	
Brix Refractometers	72	
Brix Thermo-Hydrometers	70	
Broken Glass Disposal Boxes	215	
Brooms		
Angle Brooms	223	
Broth		
Prepared Biological Media	183	
Brushes	222	
Counter & Bench Brushes	222	
Flask Brushes	127	
Gerber Milk Test Brushes	11	
Milk Bottle Brushes	135	
Pipet Brushes	148	
Test Bottle Brushes	9	
Test Tube Brushes	131	
Buffers		
Acid Buffer for M926 Chloride Analyzer	205	
pH Buffers	93, 94	
Bulbs		
Microscope Parts	64	
Pipet Filler Bulbs	146	
Bunsen Burners	181	
Buret Clamps	139	
Clamps & Supports (Ringstand)	140	
Burets		
Glass Reusable Burets	75, 137, 139, 140	
Self-Zeroing Plastic Reusable Burets	139	
Burner Parts & Accessories	181	
Burners		
Alcohol Burners	181	
Bunsen Burners	181	
Bushings		
Tester & Bushings for Sediment Testers	13	
Butyrometer		
Milk Fat Test Gerber Glassware	11	
C		
Cabinets		
Flammable Liquid Spill Control Products	207	
Cables		
Xerolyte Electrode Cables	91	
Calcium Alginate Swabs		
Swabs & Applicators	195	
Calibration Buffers		
pH Buffers	93	
Calibration Weights		
Balance Weights & Weight Sets	38, 39	
Calibrator		
Pipe Thermometers	109	
Calipers		
Precision Caliper	7	
Campylobacter Test Kits		
Environmental Test Kits & Accessories	173	
Canners Vacuum Gauge	215	
Cap for Nalgene® Carboy	137	
Caps		
Culture Tube Closures	130	
Capsule Filters		
Syringe & Capsule Filters	120, 182	
Carboys & Jerricans	136, 137	
Carcass Test Kits		
Meat Product Sampling Supplies	187	
Cards		
Milk Test Sediment Test Cards	13	
Cartridges		
Disposable Cartridges for Deionized Water Systems	119, 120	
Carts		
Utility Carts	221	
Cases		
Laboratory Thermometers	114	
Centrifuge Glass Reusable Culture Tubes	14, 133	
Centrifuge Tubes		
Antibiotic Standards Tubes	133	
Centrifuge/Shaker Parts & Accessories	6, 13, 133	
Centrifuges	5, 62	
Ceramic Circle Microscope Slides	64	
Certified Laboratory Thermometers	110	
Certified Milk Testing Laboratory Thermometers	111	
Chamber Cleaner	25	
Chart Recorders	117	
Data Loggers	101	
Charts		
TempTrace Recorder Charts	117	
Cheesemaking Forms		
Forms, Charts & Tags	216	
Chemicals & Laboratory Reagents	201, 205	
Chicken Rinse Sample Bags	187	
Chloride Analyzer		
M926 Chloride Analyzer	2	
Repair Parts for Chloride Analyzer	3	
Chloride Analyzer Supplies & Accessories	3	
Chloride Analyzers	2, 69	
Chloride Standard for M926 Chloride Analyzer	205	
Chloride Titration Beaker for M926 Chloride Analyzer	3	
Circulators		
Heater/Circulator for Water Baths	46	

Clamps		Consistometer	66
Buret Clamps	139	Containers	
Thermometer Accessories & Parts	107	Carboys & Jerricans	136, 137
Tubing Clamps	212	Contrad Laboratory Cleaning Agents	214
Clamps & Supports (Ringstand)	140	Coolers	
Class 1 Weights		Ice Packs & Shipping Containers	220
Balance Weights & Weight Sets	38	Milk Sample Cooler	163
Class A Glass Reusable Graduates	132	Cooper-Atkins Thermometers	
Class F Weights		Digital Laboratory Thermometers	94
Balance Weights & Weight Sets	39, 40	Coors High Form Crucible	123
Cleaners		Corks	
Autoclave Supplies & Accessories	25	Stoppers	12, 127
Contrad Laboratory Cleaning Agents	214	Cornwall Syringes	141
Cleaning Supplies		Cotton Tipped Swabs & Applicators	196
Contrad Laboratory Cleaning Agents	214	Counter & Bench Brushes	222
Clipboards		Counters	
Personnel/Visitor Identification	217	Electronic Counters	179
Clocks		Hand-Held Counter	179
Laboratory Timers	213	Quebec® Colony Counters	180
Wall Clocks	213	Cover Glasses	64, 65
Closures		Crucible	
Cap for Nalgene® Carboy	137	Coors High Form Crucible	123
Culture Tube Closures	130	Cryoscope Parts	17
Clothing		Cryoscope Supplies & Accessories	17
Disposable Clothing	233	Freeze Point Cryoscopes	15
Coliform Test		Standards for Cryoscopes	17
Membrane Filter Paper & Pads	182	Cryoscopes	16
Coliscan Easygel®		Freeze Point Cryoscopes	15
Kits & Accessories for Biological Media	175	Culture Pads and Dishes	180
Colony Counters		Culture Test	
Electronic Counters	179	Spore Strips	23, 24
Quebec® Colony Counters	180	Culture Tube Closures	130
Color-Coded		Culture Tube Racks	131
Angle Brooms	223	Culture Tubes	
Beakers	121, 124	Glass Disposable Culture Tubes	130
Counter & Bench Brushes	222	Glass Reusable Culture Tubes	129, 130
Dust Pans	223	Plastic Disposable Culture Tubes	133
Hygienic Dust Pans	223	Pyrex® Glass Reusable Culture Tubes	129
Non-Woven Hairnets	230	Cups	
Combination Electrodes	86, 87, 88, 89, 91, 92	Blender Cups	135
Combined Acid Buffer		Screw Cap Sample Containers	163
Acid Buffer for M926 Chloride Analyzer	205	Titratable Acidity Cup	76
Compact Balances & Scales	31, 37	Cups & Containers	163
Compact Incubators	51	Ice Pan Cups & Containers	164
Compact Scales	30, 33, 34	Custody Sample Vials	162
Conductivity Meter	68	Cutters	
Water Conductivity Meters	68	Product Sampling Equipment	66
Conductivity Meter Standards	68	Cylinders	
Conductivity Meters	68, 69, 85	Class A Glass Reusable Graduates	132
Portable pH Meters	84	Glass Reusable Graduates	132
Conductivity Solutions	69	Graduated Glass Reusable Graduates	132
Connectors		Graduated Plastic Reusable Graduates	133
Hose Clamps & Couplers	212	Plastic Reusable Graduates	133

D		
Dairy Glass Reusable Pipets	10, 148	
Dairy Pipets		
Glass Reusable Pipets	10, 148	
Data Loggers	98, 99, 100, 101, 115	
Deionized Water Systems	119	
Deodorant Pads		
Autoclave Supplies & Accessories	25	
Desiccants		
Desiccant Cartridges	56	
Drierite® Analytical Chemicals	56	
Drying Agents & Analytical Chemicals	56	
Desiccators		
Glass Desiccators	56	
Plastic Desiccators	56	
Plates for Desiccators	56	
Detectamet		
Metal Detectable Pens	217	
Safety Equipment & Safety Supplies	217	
Detergents		
Alconox Lab Detergents	214	
Dial Thermometers		
Bi-Metal Dial Thermometers	107, 108, 118	
Difco® Prepared Biological Media	183	
Difco® Stains	66, 183	
Digital Laboratory Thermometers	94, 96, 100, 101, 102, 103, 104, 105, 106, 109, 116	
Digital Refractometers	73, 74	
Digital Thermometers	94, 104, 105, 118	
Pocket Thermometers	106	
Sanitary Digital Thermometers	118	
Diluent Concentrate		
Prepared Biological Media	185	
Dilution Bottles		
Glass Reusable Bottles	134	
Milk Dilution Bottle Stoppers	134	
Plastic Reusable Bottles	134	
Prefilled Dilution Bottles	184, 185, 186	
Dilution Buffer		
Prepared Biological Media	185	
Dippers for Product Sampling	163	
Direct Microscope Count Slides		
Ceramic Circle Microscope Slides	64	
Dishes		
Culture Pads and Dishes	180	
Disposable Petri Dishes	179	
Moisture Balance Pans	58	
Moisture Dishes	55, 210	
Mojonnier Tester Dishes	12	
Petri Dishes	178	
Dispensers	224	
Bottletop Dispensers	140, 141	
Label Dispenser	164	
Labware	215	
Disposable Cartridges for Deionized Water Systems	119, 120	
Disposable Clothing	233	
Disposable Glass Reusable Pipets	149	
Disposable Inoculating Loops	180	
Disposable Lab Spatulas & Knives	166	
Disposable Nitrile Gloves	228	
Disposable Petri Dishes	179	
Disposable Pipet Tips	146, 147	
Disposable Shoe Covers	234	
Disposal Boxes		
Broken Glass Disposal Boxes	215	
Distilled Water Systems	120	
Drawer & Bench Liner	215	
Drierite® Analytical Chemicals	56	
Drierite® Canister	55	
Dropper Pipets		
Transfer Pipets	152	
Dropping Bottles		
Glass Reusable Bottles	135	
Dry Bath Incubator		
Autoclave Parts	24	
Dry Culture Biological Media	170	
Dry Culture Media	177, 178	
Drying Agents & Analytical Chemicals	56	
Drying Racks	128	
Drying Unit		
Drierite® Canister	55	
D-Tipper Pipettors	64	
Dual Scale Laboratory Thermometers	112	
Durham Glass Reusable Culture Tubes	129	
Dust Pans	223	
Hygienic Dust Pans	223	
Dye Solution		
UDY Protein Colorimeter & Accessories	20	
E		
E.coli O157 Test Kits		
Environmental Test Kits & Accessories	173	
Easygel® Prepared Media	175	
Elbow Fittings for Aseptic Sampling System	153	
Electrode Accessories		
Xerolyte Electrode Cables	91	
Electrode Holder		
Electrode Supplies & Accessories	85	
Electrode Stands	85	
Electrode Supplies & Accessories	78, 85	
Electrodes	79, 85, 87, 89, 91, 92	
Combination Electrodes	87, 88, 92	
Gel-Filled Electrodes	92	
Liquid-Filled Electrodes	92	
pH Electrodes	86, 88, 90	
pH Meter Parts & Accessories	84	

Electrodes (Continued)

Routine Electrodes	89
Surface Electrodes	89
Versatile Electrodes	88
Viscous Electrodes	90

Electronic Counters 179**Electronic Pipettor Tips** 144**Electronic Pipettors** 144**Emergency Showers** 235**Emergency Wash Stations**

Spill Control, Lab	206, 235
--------------------------	----------

Engraving Tool 215**Enrichment Broth-Prepared**

Prefilled Dilution Bottles	184
----------------------------------	-----

Environmental Sampling

Swabs & Applicators for Environmental Sampling	188
--	-----

Environmental Sampling

Air Sampler for Environmental Sampling	200
Cotton Tipped Swabs & Applicators	196
Swabs & Applicators	195, 196
Swabs & Applicators For Environmental Sampling	197

Environmental Swabs

Swabs & Applicators	195
---------------------------	-----

Environmental Test Kits & Accessories 173, 174**Erlenmeyer Glass Reusable Flasks** 124**Eye & Skin Wash Systems**

Spill Control, Lab	206, 235
--------------------------	----------

Eye Protection

Safety Glasses	231
Safety Goggles	232

Eye/Facewashes & Safety Showers 235**F****Fat Extraction**

Mojonnier Glassware for Fat Testing	12
Mojonnier Tester Dishes	12

Fat Extraction Flasks

Forcoven Mojonnier Glassware	12
Mojonnier Glassware	12

Fat Test Bottles

Milk Test Babcock Glassware	8
Paley Babcock Glassware	8

Fill Solutions

ph Electrode Solutions	93
------------------------------	----

Fillers

Pipettor Accessories	145
----------------------------	-----

Filter Funnels

Water Test Funnel	200
-------------------------	-----

Filter Paper & Pads 209**Filter Sample Bags** 44**Filtering Flasks**

Glass Reusable Flasks	125
-----------------------------	-----

Filtering Glass Reusable Flasks 125**Filters**

A/E Type Filter Paper & Pads	209
Filter Paper & Pads	209
Membrane Filter Paper & Pads	182
Syringe & Capsule Filters	120, 182

First Aid Kits 234**Flammable Liquid Spill Control Products** 207**Flashlights, Batteries & Accessories** 218**Flash-O-Lens Magnifier** 179**Flask Brushes** 127**Flasks**

Erlenmeyer Glass Reusable Flasks	124
Filtering Glass Reusable Flasks	125
Forcoven Mojonnier Glassware	12
Glass Reusable Flasks	124, 125, 126
Kjeldahl Glass Reusable Flasks	125
Mojonnier Glassware	12
Plastic Reusable Flasks	125
Screw Cap Plastic Reusable Flasks	125
Volumetric Glass Reusable Flasks	126
Wide Mouth Glass Reusable Flasks	124

Flat Wire Sample Bags 156**Floating Dairy Thermometers** 107**Floating Vial Racks**

Vial Racks	162
------------------	-----

Floor Sweeping Compound 206**Fluorophosphos ALP Test System** 19**Folded Towels** 225**Food Bags**

Poly Food Bags	219
----------------------	-----

Food Safety Books & Manuals 216**Foot Candle Meter** 119**Footwear**

Disposable Shoe Covers	234
------------------------------	-----

Forceps & Tongs 40, 208**Forcoven Mojonnier Glassware** 12**Forms, Charts & Tags** 216**Freeze Point Cryoscopes** 15**Freezer Paper**

Paper Wraps & Wrapping	219
------------------------------	-----

Freezer/Refrigerator Laboratory Thermometers 115**Funnel & Aspirator Assembly for Sediment Testers** 13**Funnel Supports** 129**Funnels**

Plastic Reusable Funnels	128
Water Test Funnel	200
Weighing Funnels	128

G**Garver**

Babcock Bottle Centrifuges	5
Centrifuge/Shaker Parts & Accessories	6
Centrifuges	5

Garver (Continued)		
Gerber Test Centrifuges	5	
Mojonnier Centrifuges	5	
GasPak		
Anerobic Biological Media Kits & Accessories	178	
Gauges		
Canners Vacuum Gauge	215	
Gel-Filled Electrodes	92	
General Purpose Laboratory Thermometers	111	
Gerber Glassware	11	
Gerber Lock Stoppers	11	
Gerber Milk Test Brushes, Laboratory	11	
Gerber Milk Test Glass Reusable Pipets	11, 148	
Gerber Test Centrifuges	5	
Glass Beads	125	
Glass Desiccators	56	
Glass Disposable Culture Tubes	130	
Glass Etcher		
Engraving Tool	215	
Glass Fiber Filters & Pads		
Filter Paper & Pads	209	
Moisture Oven Pads	55, 209	
Glass Reusable Beakers	121, 124	
Glass Reusable Bottles	134, 135	
Glass Reusable Burets	75, 137, 139, 140	
Glass Reusable Culture Tubes	129, 130	
Glass Reusable Flasks	124, 125, 126	
Glass Reusable Graduates	132	
Glass Reusable Pipets	10, 12, 148	
Glasses		
Cover Glasses	64, 65	
Safety Glasses	231	
Glassware for Fat Testing		
Babcock Glassware for Fat Testing	8	
Gloves		
Autoclave Supplies & Accessories	25	
Disposable Gloves, Nitrile	228	
Hand Protector	25	
Special Purpose Insulated Gloves	229	
Unsupported Gloves, Nitrile	229	
Gold Electrodes	76	
Graduated Glass Reusable Graduates	132	
Graduated Measures	123	
Graduated Plastic Reusable Beakers	122	
Graduated Plastic Reusable Graduates	133	
Graduates		
Glass Reusable Graduates	132	
Graduated Glass Reusable Graduates	132	
Graduated Plastic Reusable Graduates	133	
Plastic Reusable Beakers	122	
Plastic Reusable Graduates	133	
Gram Stains		
BBL Prepared Biological Media	176	
Griffin Beakers		
Glass Reusable Beakers	121, 124	
H		
Hair Restraints		
Beard Covers	230	
Hairnets		
Mesh Hairnets	230	
Hand Protector	25	
Hand Sanitizer Signs		
Safety Signs & Markers	226	
Hand Sanitizing Products		
Touchless Dispensers Hand Sanitizing Products	225	
Hand-Held Counter	179	
Hand-Held Refractometers		
Digital Refractometers	73	
Hanging Drop Microscope Slides	64	
Headgear/Faceshield	232	
Heater/Circulator for Water Baths	46	
Hinged Cap Sample Vials	161	
Honeywell Safety Products		
First Aid Kits	234	
Headgear/Faceshield	232	
Safety Glasses	231	
Safety Goggles	232	
Hose Clamps & Couplers	212	
Hydrometer Jars	71	
Hydrometer Racks	71, 208	
Hydrometers		
Acid Hydrometers	70	
Baume Hydrometers	70	
Brine Hydrometers	70	
Brix Thermo-Hydrometers	70	
Lactometers	71	
Plastic Hydrometers	70, 71	
Specific Gravity Hydrometers	70	
Hygienic Dust Pans	223	
Hygiene Monitoring Tests		
SpotCheck Swabs & Applicators	188	
Hygrometers	119	
I		
Ice Packs & Shipping Containers	220	
Ice Pan Cups & Containers	164	
Imhoff Settling Cone	14, 134	
Immersion Heater		
Water Baths	46	
Immersion Oil		
Microscope Immersion Oil	65	
Immersion Thermometers		
Partial Immersion Laboratory Thermometers	111, 113	
Incubator Laboratory Thermometers	112	
Incubator Parts & Accessories	47, 48	

Incubators	49, 50, 51, 191	Laboratory Cleaning Equipment	151
Compact Incubators	51	Laboratory Instruments	
Microplate Incubator	50	Moisture Balances	58
Indicators		Refractometers	73
Autoclave Supplies & Accessories	23, 24	Laboratory Markers	9
Biological Media Kits & Accessories	23	Laboratory Sampling	
Indoor/Outdoor Thermometers	103	Product Sampling Supplies	197
Infrared Thermometers	96, 97	Swabs & Applicators	195
Infrared Laboratory Thermometers	98	Laboratory Scoops	40, 165, 167
Non-Contact Infrared Thermometers	97	Laboratory Timers	213
In-Line Refractometers	74	Laboratory Water Heaters	
In-Line Sampling		Babcock Test Water Heater	7
Aseptic Sampler Membranes & Bags	153	Labware	215
Inoculating Loop Holder	180	Lactometers	71
Inoculating Loops	181	Latex Tubing	
Disposable Inoculating Loops	180	Rubber Tubing	211
Insulated Gloves		Leethen Broth	
Special Purpose Insulated Gloves	229	Prepared Biological Media	176
Intake Milk Receiving Chart	216	Wire Tube Racks	131
 J		Lens Paper	
Jars		Microscope Accessories	64
Biomixer Laboratory Blenders	41	Light Box	179
Hydrometer Jars	71	Light Meter	
Nalgene® Plastic Reusable Bottles	135	Foot Candle Meter	119
 K		Lighters	
Karl Fischer Aquametry Apparatus	4	Burner Parts & Accessories	181
Kimax® Glass Reusable Beakers	121	Liners	
Kimax® Glass Reusable Culture Tubes	129	Drawer & Bench Liner	215
Kimwipes®	214	Shelf Liners	215
Kits & Accessories for Biological Media	175, 200	Liquid Filled Dial Thermometers	118
Kjeldahl Glass Reusable Flasks	125	Liquid-Filled Electrodes	92
Knives		Listeria Test Kits	
Lab Spatulas & Knives	166	Environmental Test Kits & Accessories	173
Kohman Butter Test Cup		Listeria Tests	
Moisture Balance Parts & Accessories	12, 123	Product Sampling Supplies	191
 L		Loop Holders	
Lab Detergents		Inoculating Loop Holder	180
Alconox Lab Detergents	214	Loops	165, 185
Lab Jacks	218	Disposable Inoculating Loops	180
Lab Spatulas & Knives	40, 166, 167	Inoculating Loops	181
Lab Thermometers		Milk Test Inoculating Loops	181
Data Loggers	98	Lumen Meter	
Digital Laboratory Thermometers	100, 103, 105, 106	Foot Candle Meter	119
Reference Laboratory Thermometers	110, 114, 115	Luminometers	
Total Immersion Lab Thermometers	111	ATP Testers	192, 193, 194
Label Dispenser	164	Swabs & Accessories Luminometers	192
Label Tape		 M	
Write-On Label Tape	125	M926 Chloride Analyzer	2
Laboratory Burners		Magnifier	
Alcohol Burners	181	Flash-O-Lens Magnifier	179
		Light Box	179

Manuals		
Food Safety Books & Manuals	216	
Standard Methods Books & Manuals	215	
Water & Wastewater Books & Manuals	215	
Markers		
Laboratory Markers	9	
Mats		
Anti-Fatigue Mats	218	
Maximum Registering Laboratory Thermometers	112, 113	
MDS Pathogen Tests	171	
Measures		
Graduated Measures	123	
Plastic Measures	123	
Stainless Steel Measures	123	
Measuring Cups		
Plastic Measures	123	
Stainless Steel Measures	123	
Meat Product Sampling Supplies	187	
Media		
3M™ Petrifilm™ Plates & Accessories	169	
Bacteriological Dry Culture Media	176	
BBL Prepared Biological Media	176	
Biological Media Kits & Accessories	23	
Difco® Prepared Biological Media	183	
Dry Culture Media	177, 178	
Easygel® Prepared Media	175	
Prepared Biological Media	176, 182	
Media Bottles		
Glass Reusable Bottles	135	
Media Pouches		
Dry Culture Media	178	
Meltability Tests		
Product Sampling Equipment	66	
Membrane Filter Paper & Pads	182	
Mercury Collector		
Spill Control Products	114	
Mesh Hairnets	230	
Metal Detectable Pens	217	
Metal Detectable Scoops	166	
Scoops, Tools & Implements - Lab	166	
Meters		
Benchtop pH Meters	78	
pH Meters	77	
Portable pH Meters	81, 82, 83, 84	
Turbidimeter	67	
Water Conductivity Meters	68	
Microincinerator	65, 181	
Micropipettors		
Mini Pipettors	142	
Pipettors	142	
Microplate Incubator	50	
Microscope Accessories & Parts	64, 65	
Microscope Bulbs		
Microscope Parts	64	
Microscope Immersion Oil	65	
Microscope Slides	64	
Hanging Drop Microscope Slides	64	
Microscope Slides	64	
Milk Smear Microscope Slides	64	
Microscopes	63	
Binocular Microscopes	63	
Microspatulas		
Lab Spatulas & Knives	40, 166, 167	
Microwave Oven Pads	55, 209	
Milk Bottle Brushes	135	
Milk Dilution Bottle Stoppers	134	
Milk Fat Test Gerber Glassware	11	
Milk Sample Cooler	163	
Milk Smear Microscope Slides	64	
Milk Test Babcock Glassware	8	
Milk Test Inoculating Loops	181	
Milk Test Sediment Test Cards	13	
Milk Weight Charts		
Forms, Charts & Tags	216	
Mini Pipettors	142	
Mite Detector		
Flash-O-Lens Magnifier	179	
Mixers		
Mortar & Pestle	76	
Osterizer® Blenders	41	
Stirrers & Hot Plates	75	
Stomachers	42, 43	
Test Tube Mixers	63	
Waring® Blenders	41	
Mohr Measuring Glass Reusable Pipets	151	
Moisture Balance Pans	58	
Moisture Balance Parts & Accessories	12, 123	
Moisture Balances	57, 58	
Moisture Dishes	55, 210	
Moisture Oven Pads	55, 209	
Moisture Testing		
Moisture Balances	57	
Plastic Desiccators	56	
Mojonnier Centrifuges	5	
Mojonnier Glassware	12	
Mojonnier Tester Dishes	12	
Mortar & Pestle	76	
Multipurpose Hoses, Non-Food Grade	211	
N		
Nalgene Plastic Reusable Beakers	122	
Nalgene® Carboy Spigot	137	
Nalgene® Plastic Reusable Bottles	135	
Needle Holder		
Lab Supplies & Accessories	65, 180	
NIST Traceable Lab Thermometers	116	

Non-Contact Infrared Thermometers	97	3M™ Petrifilm™ Plates & Accessories	169
Non-Glass Titratable Acidity Testers	76, 138	Petrifilm™ Plates Biological Media	170
Non-Woven Hairnets	230	Petrifilm™ Test Kits & Accessories	186
Notebook		pH Buffers	93, 94
Forms, Charts & Tags	216	ph Electrode Solutions	93
Nylon Fittings		pH Electrodes	86, 88, 90
Hose Clamps & Couplers	212	Combination Electrodes	86, 87, 88, 89, 91, 92
		Gel-Filled Electrodes	92
		Gold Electrodes	76
		Liquid-Filled Electrodes	92
		Process Electrodes	90
O		pH Meter Parts & Accessories	84
O.R. Caps		pH Meters	4, 77, 78, 79, 80, 81, 82, 83, 84, 85
Non-Woven Hairnets	230	Benchtop pH Meters	78
Oil Immersion Microscope		Electrode Supplies & Accessories	78
Binocular Microscopes	63	pH Meters	4, 77, 78, 79, 80, 81, 82, 83, 84, 85
Oil, Refractometer		Portable pH Meters	81, 82, 83, 84
Refractometer Supplies	75	Waterproof pH Meters	84
ORP Meters		pH Spear Tip Electrode	84
Conductivity Meters	85	Pinchcock	
Osterizer/Æ Blenders	41	Titration Pinchcock	212
Oven Parts & Accessories	54, 58	Pipe Thermometers	109
Oven/Hot Plate Laboratory Thermometers	113	Pipet Box	151
Ovens	51, 52, 53, 54	Pipet Brushes	148
		Pipet Filler Bulbs	146
		Pipet Pumps	145
		Pipettors, Tips & Accessories	145
		Pipet Sleeves	
		Bags Sample Containers	151
		Pipet Tips	
		Disposable Pipet Tips	146, 147
		Pipet Washer	
		Laboratory Cleaning Equipment	151
		Pipets	
		Bacteriological Glass Reusable Pipets	148
		Bacteriological Plastic Disposable Pipets	149
		Dairy Glass Reusable Pipets	10, 148
		Disposable Glass Reusable Pipets	149
		Gerber Milk Test Glass Reusable Pipets	11, 148
		Glass Reusable Pipets	10, 12, 148
		Mohr Measuring Glass Reusable Pipets	151
		Plastic Disposable Pipets	150, 151
		Serological Glass Disposable Pipets	149
		Serological Glass Reusable Pipets	149
		Serological Plastic Disposable Pipets	150
		Transfer Pipets	152
		Volumetric Glass Reusable Pipets	148
		Wide Tip Glass Reusable Pipets	150
		Wide Tip Plastic Disposable Pipets	149
		Pipette Pumps	145
		Pipettes	
		Electronic Pipette	144
		Pipettor Accessories	145
Packaging Room Supplies			
Ice Packs & Shipping Containers	220		
Pads			
Filter Paper & Pads	209		
Paley Bottles			
Babcock Glassware	9		
Pans			
Moisture Balance Pans	58		
Paper Wraps & Wrapping	219		
Papers, Weighing			
Balance Accessories	40, 210		
Partial Immersion Laboratory Thermometers	111, 113		
Parts			
Cryoscope Parts	17		
Cryoscope Supplies & Accessories	17		
Oven Parts & Accessories	54		
Pathogen Tests			
Dry Culture Biological Media	170		
MDS Pathogen Tests	171		
Pencil, White Marking			
Wax Pencil	9		
Pens			
Metal Detectable Pens	217, 218		
Personnel/Visitor Identification	217		
Petri Dish Racks	179		
Petri Dishes	178		
Petrifilm™ Plate Accessories			
Light Box	179		
Quick Swabs & Applicators	195		
Petrifilm™ Plates			

Pipettor Tips	142	Thermometer Probes	95
Electronic Pipettor Tips	144	Process Electrodes	90
Pipettors	142, 143	Product Sampling	
Accessories for Pipettors	141, 144	Dippers for Product Sampling	163
Air Displacement Pipettors	143	Product Sampling Equipment	66, 165
D-Tipper Pipettors	64	Product Sampling Supplies	191, 197
Electronic Pipettors	144	Protective Clothing	
Mini Pipettors	142	Sleeve Protectors	233
Tips for Pipettors	142, 148	Protein & Micro Testing Swabs & Tissues	198
Pitchers		Protein Analyzer	
Plastic Reusable Beakers	122	UDY Protein Colorimeter & Accessories	20
Plastic Bottles		Protein Residue Detection Swabs & Applicators	188
Carboys & Jerricans	136	Protein Residue Tests	
Plastic Desiccators	56	Swabs & Applicators for Product Sampling	188
Plastic Disposable Culture Tubes	133	Psychrometer	
Plastic Disposable Pipets	150, 151	Hygrometers	119
Plastic Hydrometers	70, 71	Pumps	
Plastic Measures	123	Pipet Pumps	145
Plastic Reusable Beakers	122, 132	Vacuum Pumps & Parts	54
Plastic Reusable Bottles	65, 134, 135, 136	Pyrex® Glass Reusable Beakers	121
Plastic Reusable Flasks	125	Pyrex® Glass Reusable Culture Tubes	129
Plastic Reusable Funnels	128		
Plastic Reusable Graduates	133	Q	
Plastic Security Seals	219	QMI Membranes	153
Plate Loop Count		Quebec® Colony Counters	180
Cornwall Syringes	141	Quevenne Lactometer/Thermo-Hydrometer	
Milk Test Inoculating Loops	181	Lactometers	71
Plates for Desiccators	56	Quick Swabs & Applicators	195
Platform Balances & Scales	32	Quinhydrone	
Pocket Laboratory Thermometers	111	Gold Electrodes	76
Pocket Sample Bags	157		
Pocket Thermometers	106, 107	R	
Digital Laboratory Thermometers	105	Racks	
Poly Food Bags	219	Culture Tube Racks	131
Polypropylene Baskets	132	Drying Racks	128
Portable Conductivity Meter		Hydrometer Racks	71, 208
Conductivity Meters	69	Petri Dish Racks	179
Portable pH Meters	81, 82, 83, 84	Test Tube Baskets	132
Portable Scales	36	Test Tube Racks	131
Portable Stirrers & Hot Plates	62	Thermometer Racks	114
Portable/Compact Balances	29	Vial Racks	162
Portioning Scales		Whirl-Pak Bag Racks	158
Balances & Scales	36	Wire Tube Racks	131
Pouches		RCS Air Sampler Parts & Accessories	199
Autoclave Supplies & Accessories	25	Reading Glasses	
Precision Balances & Scales	29, 34	Safety Glasses	231
Precision Caliper	7	Reagents	
Prefilled Dilution Bottles	184, 185, 186	Chemicals & Laboratory Reagents	76, 201, 205
Prepared Biological Media	176, 182, 183, 185, 190	Receiving Chart	
Prepared Media		Intake Milk Receiving Chart	216
Easygel® Prepared Media	175	Recorders	
Probes		Chart Recorders	117
Electrodes	87	Data Loggers	101

Reference Laboratory Thermometers	110, 114, 115	Bags Sample Containers	157
Refractometer Supplies	75	Chicken Rinse Sample Bags	187
Refractometers	69, 73, 74	Filter Sample Bags	44
Analog Refractometers	72	Flat Wire Sample Bags	156
Automatic Digital Refractometers	74	Pocket Sample Bags	157
Automatic Refractometers	72	Speci-Sponge Sample Bags	197
Brix Refractometers	72	Stand-Up Sample Bags	157
Digital Refractometers	73, 74	Stomacher® Bags	43, 44
In-Line Refractometers	74	Thio Water Sample Bags	157, 200
Refrigerator Thermometers		Twirl-Em® Sample Bags	158
Thermometers	116	Whirl-Pak® Bag Racks	158
Refuse Containers	221	Sample Bottles	
Repair Parts for Chloride Analyzer	3	Reusable Wide Mouth Glass Bottles	135
Retrievers		Sample Containers	
Stir Bars	62	Bags	156
Reusable Wide Mouth Glass Bottles	135	Swabs & Applicators for Environmental Sampling	198
Ring Support		Sample Cups	
Funnel Supports	129	Screw Cap Sample Containers	163
Ring Stand		Sample Mill	
Clamps & Supports (Ringstand)	139, 140	Blenders	42
Rinse Bottles		Sample Shipper	164
Plastic Reusable Bottles	136	Sample Vials	160, 161
Rodac Plates		2-oz. Sample Vials	160
Disposable Petri Dishes	179	3-oz. Sample Vials	161
Rods		Hinged Cap Sample Vials	161
Stirring Accessories	208	Vials Sample Containers	160
Routine Electrodes	89	Water Sample Vials	162, 200
RTD Thermometers	94	Sampling	
Rubber Stoppers	126	Swabs & Applicators for Environmental Sampling	195
Rubber Tubing	211	Sampling Pole	198
S		Sampling Spoons	
Safe-Septum Membrane for Aseptic Sampling System	154	Lab Spatulas & Knives	166
Safety Equipment Safety Supplies	217	Laboratory Scoops	40, 167
Safety Glasses	231	Sampling Straws	165
Safety Goggles	232	Sampling Supplies	
Safety Showers	235	Lab Spatulas & Knives	166
Safety Signs & Markers	206, 207, 226, 231, 232, 235	QMI Membranes	153
Salimeter		Swabs & Applicators	196
Brine Hydrometers	70	Sanitary Digital Thermometers	118
Salinity Meters		Sanitizers	
Portable pH Meters	84	Surface Sanitizers	226, 227
Salmonella Express System		Scales	
Dry Culture Biological Media	170	Balances & Scales	36
Salmonella Test Kits		Compact Balances & Scales	30, 34, 37
Environmental Test Kits & Accessories	174	Washdown Balances & Scales	35
Salt Analyzer		Scoops	
M926 Chloride Analyzer	2	Disposable Lab Spatulas & Knives	166
Salt Meters		Laboratory Scoops	40, 165, 167
Conductivity Meters	69	Metal Detectable Scoops	166
Refractometers	69	Stainless Steel Lab Spatulas & Knives	40, 167
Sample Bags	155, 158, 159	Scoops & Measures	123
Aseptic Sampler Membranes & Bags	153	Scoops, Tools & Implements	166
		Scorched Particle Tester	

Funnel & Aspirator Assembly for Sediment Testers	13	Disposable Lab Spatulas & Knives	166
Screw Cap Plastic Reusable Flasks	125	Lab Spatulas & Knives	40, 166
Screw Cap Sample Containers	163	Stainless Steel Lab Spatulas & Knives	40, 167
Security Seals		Special Purpose Insulated Gloves	229
Plastic Security Seals	219	Specific Gravity Hydrometers	70
Sediment Test		Specimen Cups	
Funnel & Aspirator Assembly for Sediment Testers	13	Cups & Containers	163
Milk Test Sediment Test Cards	13	Speci-Sponge Sample Bags	197
Tester & Bushings for Sediment Testers	13	Spigot	
Self-Zeroing Plastic Reusable Burets	139	Nalgene® Carboy Spigot	137
Serological Glass Disposable Pipets	149	Spill Control Products	114, 206, 235
Serological Glass Reusable Pipets	149	Sponge Probe	
Serological Plastic Disposable Pipets	150	Swabs & Applicators for Environmental Sampling	198
Settling Cone		Sponge-Stick	
Imhoff Settling Cone	14, 134	Swabs & Applicators	196
Shakers		Spoons	
Bottle Shakers	6	Lab Spatulas & Knives	40, 166, 167
Shaking Water Baths		Spore Strips	23, 24
Water Baths	45	SpotCheck Swabs & Applicators	188
Shelf Life Sampling Bags		Spreaders	
Aseptic Sampler Membranes & Bags	153	Surface Spreader & Inoculating Loop Accessories	180
Shelf Liners	215	Squirt Bottle	
Shipping Supplies		Wide Mouth Plastic Reusable Bottles	136
Ice Packs & Shipping Containers	220	Staining Jar	
Milk Sample Cooler	163	Microscope Accessories	65
Sample Shipper	164	Stainless Steel Lab Spatulas & Knives	40, 167
Shoe Covers	234	Stainless Steel Measures	123
Showers		Stainless Steel Washdown Balances and Scales	33
Emergency Showers	235	Stainless Steel Washdown Digital Balances & Scales	35
Sieves - Laboratory	14	Stains	
Signs		BBL Stains	66, 183
Safety Signs & Markers	207, 226, 231, 232, 235	Difco® Prepared Biological Media	183
Silica Gel		Difco® Stains	66, 183
Drying Agents & Analytical Chemicals	56	Stand	
Skim Test Babcock Glassware	9	Electrodes	85
Sleeve Protectors	233	Standard Methods Agar	
Slide Dryer		Dry Culture Media	178
Lab Instruments & Equipment	65, 181	Standard Methods Books & Manuals	215
Slide Drying Economy Incubator		Standards	68
Compact Incubators	51	Chloride Standard for M926 Chloride Analyzer	205
Slides		Conductivity Meters	69
Ceramic Circle Microscope Slides	64	Cryoscope Supplies & Accessories	17
Hanging Drop Microscope Slides	64	Refractometer Supplies	75
Microscope Immersion Oil	65	Stand-Up Sample Bags	157
Microscope Slides	64	Staph aureus Test Kits	
Milk Smear Microscope Slides	64	Environmental Test Kits & Accessories	173
Snapshot ATP Swabs		Staph Enterotoxins Test Kits	
Swabs & Applicators	194	Environmental Test Kits & Accessories	174
Soap Dispensers		Sterilization Tape	
Touchless Dispensers Hand Sanitizing Products	225	Autoclave Supplies & Accessories	24
Soft Serve Test Kits		Sterilizers	
Petrifilm™ Test Kits & Accessories	186	Autoclave Supplies & Accessories	25
Spatulas		Autoclaves	22, 23

Chamber Cleaner	25	Swabs & Applicators	196
Stir Bar Garage		Syringe & Capsule Filters	120, 182
Accessories for Stir Bars	62	Syringe Filter Assembly	182
Stir Bar Retrievers	62	Syringes	
Stir Bars	62	Acid Degree Value Syringes	141
Stir Rods		Cornwall Syringes	141
Stirring Accessories	208	SystemSURE Hygiene Monitor	
Stirrers & Hot Plates	61, 63, 75	ATP Testers	193
Portable Stirrers & Hot Plates	62		
Stirrers & Hot Plates	61	T	
Stirring Accessories	208	Tags & Tag Wire	
Stomacher® Bags	43, 44	Wash Up Tags	216
Stomachers	42, 43	Tally Counters	
Stoppers	12, 127	Hand-Held Counter	179
Gerber Lock Stoppers	11	Tank Fittings for Aseptic Sampling System	154
Milk Dilution Bottle Stoppers	134	Tape	
Rubber Stoppers	126	Write-On Label Tape	125
Stopwatch		Telescoping Pole	197
Laboratory Timers	213	Temperature Alarm for Laboratory Thermometers	103
Storage Bin		Temperature Recorders	
Labware	215	Chart Recorders	117
Storage Cabinets		TempTrace Recorder Charts	117
Flammable Liquid Spill Control Products	207	Test Bottle Brushes	9
Storage Solutions		Test Bottle Shakers	6
ph Electrode Solutions	93	Test Bottle Washer	10
Straws		Test Kits	
Product Sampling Equipment	165	Environmental Test Kits & Accessories	173, 174
Strips		Meat Product Sampling Supplies	187
RCS Air Sampler Parts & Accessories	199	Petrifilm Test Kits & Accessories	186
Supports		Test Strips & Papers	189
Clamps & Supports	139	Allergen Test Strips & Papers	189
Funnel Supports	129	Test Tube Baskets	132
Ring Stand Supports	139	Polypropylene Baskets	132
Sure-Flow Electrodes		Test Tube Brushes	131
Combination Electrodes	87	Test Tube Racks	131
Surface Electrodes	89	Test Tubes	
Surface Laboratory Thermometers	116	Durham Glass Reusable Culture Tubes	129
Surface Sampling		Tester & Bushings for Sediment Testers	13
ATP Testers	194	Testers	
Swabs & Applicators for Environmental Sampling	195	ATP Tester Supplies & Accessories	188, 192
Surface Sanitizers	226, 227	ATP Testers	192, 193
Surface Spreader & Inoculating Loop Accessories	180	Testing Swabs & Tissues	191
Surge Suppressor		Protein & Micro Testing Swabs & Tissues	198
Repair Parts for Chloride Analyzer	3	Testing Swabs & Tissues	191
Swabs		Thermocouples	
Protein Residue Detection Swabs & Applicators	188	Digital Laboratory Thermometers	94
Quick Swabs & Applicators	195	Thermometer Accessories & Parts	107
SpotCheck Swabs & Applicators	188	Thermometer Clamps	107
Swabs & Applicators	194, 195, 196	Thermometer Probes	95
Swabs & Applicators for Environmental Sampling	188, 195, 197, 198	Thermometer Racks	114
Swabs & Applicators for Product Sampling	188	Thermometers	94, 96, 102, 103, 116
Swube Tube		Bi-Metal Dial Thermometers	107, 108, 118
		Block Heater Laboratory Thermometers	48

Thermometers (Continued)		Tools & Implements	166
Certified Laboratory Thermometers	110	Total Immersion Lab Thermometers	111
Certified Milk Testing Laboratory Thermometers	111	Touchless Dispensers Hand Sanitizing Products	225
Data Loggers	98, 99, 100, 101, 102	Towels	224
Digital Lab Thermometers	109	Folded Towels Towels	225
Digital Laboratory Thermometers	94, 96, 101, 102, 104, 105, 106, 109, 116	Wipers	214
Digital Thermometers	118	Trac Film	58
Dual Scale Laboratory Thermometers	112	Transfer Pipets	152
Floating Dairy Thermometers	107	Transport System	
Freezer/Refrigerator Laboratory Thermometers	115	Swabs & Applicators	196
General Purpose Laboratory Thermometers	111	Tubes	
Incubator Laboratory Thermometers	112	Centrifuge Glass Reusable Culture Tubes	14, 133
Indoor/Outdoor Thermometers	103	Durham Glass Reusable Culture Tubes	129
Infrared Laboratory Thermometers	97, 98	Glass Reusable Culture Tubes	130
Infrared Thermometers	96, 97	Kimax® Glass Reusable Culture Tubes	129
Laboratory Thermometers	110, 114	Tubing	
Liquid Filled Dial Thermometers	118	Multipurpose Hoses, Non-Food Grade	211
Maximum Registering Laboratory Thermometers	112, 113	Rubber Tubing	211
NIST Traceable Laboratory Thermometers	116	Tygon® Laboratory Tubing	211
Non-Contact Infrared Thermometers	97	Vacuum Tubing	54, 55, 211
Oven/Hot Plate Laboratory Thermometers	113	Tubing Clamps	212
Partial Immersion Laboratory Thermometers	111, 113	Turbidimeter	67
Pocket Laboratory Thermometers	111	Tweezers	
Pocket Thermometers	106, 107	Forceps & Tongs	40, 208
Reference Laboratory Thermometers	110, 114	Twirl-Em® Sample Bags	158
Sanitary Digital Thermometers	118	Tygon® Laboratory Tubing	211
Surface Laboratory Thermometers	116	U	
Temperature Alarm for Laboratory Thermometers	103	UDY Protein Colorimeter & Accessories	20
Thermometer Racks	114	Unsupported Gloves, Nitrile	229
Validation Thermometers	105	Utility Carts	221
Wall Thermometers	103	V	
Water Bath Laboratory Thermometers	112	Vacuum Gauges	
Waterbath Laboratory Thermometers	47	Canners Vacuum Gauge	215
Thio Water Sample Bags	157, 200	Vacuum Oven Moisture Test System	52
Timers		Vacuum Ovens	
Laboratory Timers	213	Oven Parts & Accessories	54
Tips		Ovens	51
Disposable Pipet Tips	146, 147	Vacuum Pumps & Parts	54
Electronic Pipettor Tips	144	Vacuum Tubing	54, 55, 211
Pipettor Tips	142, 148	Vacuums and Accessories	222
Titrateable Acidity Cup	76	Validation Thermometers	105
Titrateable Acidity Testers	75, 76, 138	Van Gulik Gerber Glassware	11
Titration Burets		Vented Jerricans	
Glass Reusable Burets	139	Carboys & Jerricans	137
Titration Pinchcock	212	Versatile Electrodes	88
Titration Systems		Vial Racks	162
Benchtop pH Meters	4	Vial Shipper	164
Titration Systems		Vials	160
Glass Reusable Burets	75, 137	2-oz. Sample Vials	160
Tongs		3-oz. Sample Vials	161
Forceps & Tongs	208	Custody Sample Vials	162
Tongue Depressors	165		

Vials (Continued)

Hinged Cap Sample Vials	161
Label Dispenser	164
Sample Vials	160, 161
Water Sample Vials	162, 200

Viscometers	66
--------------------------	----

Viscous Electrodes	90
---------------------------------	----

Volumetric Glass Reusable Flasks	126
---	-----

Volumetric Glass Reusable Pipets	148
---	-----

Vortex Mixer

Stirrers & Hot Plates	63
-----------------------------	----

W

Wall Clocks	213
--------------------------	-----

Wall Thermometers	103
--------------------------------	-----

Waring® Blenders	41
-------------------------------	----

Wash Bottles

Plastic Reusable Bottles	136
Wide Mouth Plastic Reusable Bottles	136

Wash Up Tags	216
---------------------------	-----

Washdown Balances & Scales	35
---	----

Washdown Bench/Floor Balances & Scales	32
---	----

Waste Bags	25
-------------------------	----

Watch Glass	122
--------------------------	-----

Water & Wastewater Books & Manuals	215
---	-----

Water Activity Meters	59, 60
------------------------------------	--------

Water Bath Algicide	47
----------------------------------	----

Water Bath Laboratory Thermometers	47, 112
---	---------

Water Baths	45, 46
--------------------------	--------

Babcock Water Baths	7
Heater/Circulator for Water Baths	46
Water Baths	45, 46

Water Conductivity Meters	68
--	----

Water Heater

Babcock Test Water Heater	7
---------------------------------	---

Water Sample Vials	162, 200
---------------------------------	----------

Water Systems

Deionized Water Systems	119
Disposable Cartridges for Deionized Water Systems	119, 120

Water Test

Culture Pads and Dishes	180
-------------------------------	-----

Water Test Funnel	200
--------------------------------	-----

Water Testing

Conductivity Meter	68
--------------------------	----

Waterproof pH Meters	84
-----------------------------------	----

Waterproof Thermometers

Infrared Laboratory Thermometers	97
--	----

Wax Pencil	9
-------------------------	---

Weigh Boats	40, 210
--------------------------	---------

Weighing Funnels	128
-------------------------------	-----

Weighing Glass

Watch Glass	122
-------------------	-----

Weighing Papers	40, 210
------------------------------	---------

Weighing Pipets

Glass Reusable Pipets	12, 148
-----------------------------	---------

Weight Sets	39
--------------------------	----

Weights

Balance Weights & Weight Sets	38, 39, 40
-------------------------------------	------------

Whatman® Filters

Filter Paper & Pads	209
---------------------------	-----

Whirl-Pak® Bag Racks	158
-----------------------------------	-----

Whirl-Pak® Bags

Sample Bags	155
-------------------	-----

Whirl-Pak® Black Bags	157
------------------------------------	-----

Whirl-Pak® Instruction Sheets	156
--	-----

Wide Mouth Glass Reusable Flasks	124
---	-----

Wide Mouth Plastic Reusable Bottles	136
--	-----

Wide Tip Glass Reusable Pipets	150
---	-----

Wide Tip Pipets

Serological Plastic Disposable Pipets	150
---	-----

Wide Tip Plastic Disposable Pipets	149
---	-----

Wipers	214
---------------------	-----

Wipes

Surface Sanitizers	227
--------------------------	-----

Wire Laboratory Baskets	208
--------------------------------------	-----

Wire Tube Racks	131
------------------------------	-----

Wooden Sampling Tools

Tongue Depressors	165
-------------------------	-----

Wrapping Film	125
----------------------------	-----

Write-On Label Tape	125
----------------------------------	-----

X

Xerolyte Electrode Cables	91
--	----

For a complete listing of our full product line, request our Buyers Guide for the Food Industry.

- **Safety & Personnel**
- **Production & Material Handling**
- **Sanitation & Janitorial**
- **Processing & Flow Control**
- **Laboratory & QA/QC**
- **Packaging & Ingredients**

New lab?

Need cabinets?



Looking for a lab island?



Nelson-Jameson can help you find the perfect ergonomic solution and design with our NEW PSA Lab Furniture & Design Services line!



Products. Customer service. Industry expertise. We deliver.



LAB INSTRUMENTS

Acidity Testers
Autoclaves & Sterilizers
Balances & Scales
Blenders & Stomachers
Calibration Weights
Centrifuges, Shakers
& Stirrers
Chloride Analyzer
Cryoscopes
Dry & Water Baths
Electrodes & Probes
Fluorophos Tester
Hydrometers
Incubators
Instrument Repair
Lab Grade Water Systems
Moisture Testers
Ovens
pH Meters
Water Activity Meter
Refractometers
Sediment Tester
Stirrers & Hot Plates
Titrators
Thermometers
Udy Protein Analyzer



LABWARE

Glassware & Plasticware
Pipettors & Pipet Pumps
Pipets & Burets
Bottletop Dispensers & Accessories



SAMPLING SUPPLIES

Aseptic Sampling Systems
Carcass Sampling Kit
Sample Bags, Vials,
Dippers & Cups
Sample Collection Tools



ENVIRONMENTAL AND MICROBIOLOGICAL TESTING

3M™ Petrifilm™
Allergen Test Kits
ATP Testing & Swabs
Culture Media, Plates
& Accessories
Culture Plates
Dilution Blanks
Easygel®
Environmental Test
Swabs & Sponges
Pathogen Kits & Enrichments
RCS Air Sampler



CHEMICALS, REAGENTS, AND TEST KITS

Colorimeters
Reagents
Test Kits
Test Strips



LABORATORY SUPPLIES

Baskets, Forceps & Tongs
Cleaning Detergents
Data Loggers
Filters
Forms & Tags
Lab Thermometers
Racks
Spill Kits
Syringes & Needles
Timers
Training Resources
Tubing
Weighing Paper & Dishes



LABORATORY FURNITURE

Cabinets
Countertops
Fume Hoods

NELSON JAMESON
INC.

2400 East 5th Street
Marshfield, WI 54449

nelsonjameson.com • 1-800-826-8302