

3M™ Petrifilm™ Plates

We have your microbiological testing needs covered!

No prep. No clutter. No kidding.

In the modern lab, space is at a premium. 3M Petrifilm Plates eliminate the need to store bulky agar dishes or instruments—each slim pack is less than an inch thick. It's the convenient, efficient, space-saving way to test in the modern food system.

Ready, fast, easy.

Food testing in three simple steps:

1. Inoculate

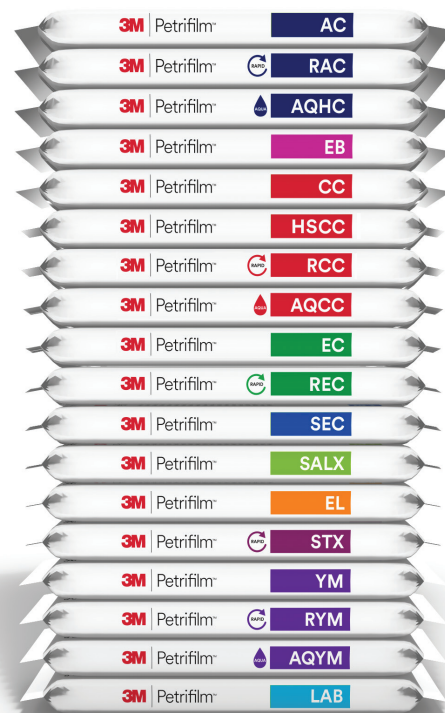
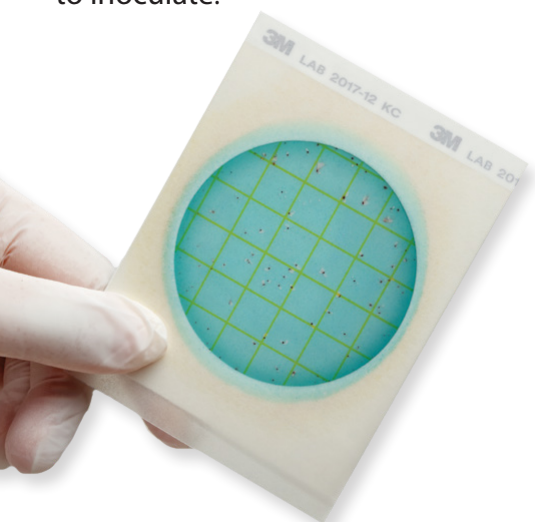
Eliminate media prep—plates are ready to inoculate.

2. Incubate

A compact incubator is all you need.

3. Interpret

Indicator dyes facilitate colony counting.



Benefits to your business:

↓ **85%**
less space
than agar

↓ **45%**
reduced
labor costs

↑ **80%**
increased
technician
efficiency

↓ Data in
1/2
the time

Backed by experts.

When public health is on the line, you need testing you can trust. 3M Petrifilm Plates are created and inspected by a team of 3M scientists and engineers, and are validated by international organizations like AOAC International and AFNOR Certification. They've distilled the complexity, variability, and manual labor of microbial testing into a simple, reliable, and consistent method.

Certifications and validations*:

- AOAC® Official Methods of AnalysisSM
- AOAC® Performance Tested MethodsSM

- NF VALIDATION by AFNOR Certification
- Numerous regional and local approvals

**Validations may vary by plate and region.*

Productivity. Advanced.

Introducing the new efficiency of food safety. There's no slowing down with automated plate enumeration and advanced reporting capabilities of the 3M™ Petrifilm™ Plate Reader Advanced. It can help you save time, improve productivity and capacity, and maintain accuracy.

3M™ Petrifilm™ Plate Reader Advanced Works with the Following Plates:

- Rapid Aerobic Count
- Rapid Coliform Count
- Rapid *E. coli*/Coliform Count
- Rapid Yeast and Mold Count
- Aerobic Count
- Coliform Count
- Enterobacteriaceae Count
- *E. coli*/Coliform Count
- Select *E. coli* Count
- Staph Express Count
- Staph Express Disk
- Lactic Acid Petrifilm



Stock #	Description	Unit
460-3001	3M™ Petrifilm™ Plate Reader Advanced	EA
351-3905	2-Year Extended Warranty	EA



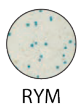
RAC



RCC



REC



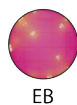
RYM



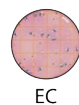
AC



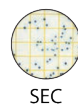
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EB



EC



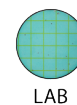
SEC



STX



STX+Disk



LAB



Productive.

Improve laboratory efficiency and maintain accuracy in a space saving design.

Plate enumeration in six seconds or less—up to 900 plates per hour.

Proficient.

Standardized technology for accuracy and easy to use software.

Accurate colony counting.

Proactive.

Software simplifies results storage and data analytics capabilities.

Automated reports and data trending for actionable insights.

3M™ Petrifilm™ Plates

In today's environment of heightened focus on food safety and increasingly stringent quality requirements, labs are under pressure to provide tests that are fast, reliable, and consistently accurate. 3M Petrifilm Plates have demonstrated consistent performance that has been cited globally with more than 200 certificates, recognitions, validations, and peer-review publications. **That's because these plates have streamlined, standardized, and simplified the process of microbial quantitative indicator testing, improving productivity, and helping ensure the highest levels of product quality.**



Description	Stock #	Time to Result	Compatible with Petrifilm Plate Reader Advanced	Packaging	Unit
3M™ Petrifilm™ Aerobic Count Plates (AC)	460-3400	48 hr	✓	100/bx	BX
	460-3406			1000/ca	CA
3M™ Petrifilm™ Rapid Aerobic Count Plates (RAC)	460-3468	24 hr	✓	50/bx	BX
	460-3479			500/ca	CA
3M™ Petrifilm™ <i>E. coli</i> /Coliform Count Plates (EC)	460-3404	24 to 48 hr	✓	50/bx	BX
	460-3414			500/ca	CA
3M™ Petrifilm™ Rapid <i>E. coli</i> /Coliform Count Plates (REC)	460-3436	24 hr	✓	50/bx	BX
	460-3437			500/ca	CA
3M™ Petrifilm™ Coliform Count Plates (CC)	460-3410	24 hr	✓	50/bx	BX
	460-3416			1000/ca	CA
3M™ Petrifilm™ Rapid Coliform Count Plates (RCC)	460-3402	4 to 24 hr	✓	50/bx	BX
	460-3412			500/ca	CA
3M™ Petrifilm™ High-Sensitivity Coliform Count Plates (HSCC)	460-3405	24 hr		50/bx	BX
	460-3415			500/ca	CA
3M™ Petrifilm™ Yeast & Mold Count Plates (YM)	460-3407	3 to 5 days		100/bx	BX
	460-3417			1000/ca	CA
3M™ Petrifilm™ Rapid Yeast & Mold Count Plates (RYM)	460-3475	48 hr	✓	50/bx	BX
	460-3477			500/ca	CA



Description	Stock #	Time to Result	Compatible with Petrifilm Plate Reader Advanced	Packaging	Unit
3M™ Petrifilm™ Enterobacteriaceae Count Plates (EB)	460-3420	22 to 26 hr	✓	50/bx	BX
	460-3421			1000/ca	CA
3M™ Petrifilm™ Staph Express Count Plates (STX)	460-3649	22 hr	✓	50/bx	BX
	460-3641			500/ca	CA
3M™ Petrifilm™ Staph Express Confirmation Disks	460-3642	-	✓	20/bx	BX
	460-3643			100/bx	BX
3M™ Petrifilm™ Lactic Acid Bacteria Count Plates (LAB)	460-3461	48 hr	✓	50/bx	BX
	460-3462			500/ca	CA
3M™ Petrifilm™ Environmental Listeria Count Plates (EL)	460-3447	29 hr		50/bx	BX
	460-3448			200/ca	CA
3M™ Petrifilm™ Salmonella Express System (SALX)	460-3536	44 hr		50/bx	BX
	460-3537			200/ca	CA
3M™ Petrifilm™ Salmonella Express System (SALX) Confirmation Disks	460-3538	-		5/bx	BX
	460-3539			25/ca	CA
3M™ Petrifilm™ Aqua Heterotrophic Count Plates	460-3250	48 to 72 hr		100/bx	BX
	460-3252			1000/ca	CA

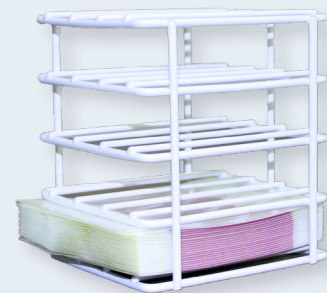


3M™ Petrifilm™ Plate Rack

Increases efficiency by holding approximately 80 3M Petrifilm Plates.

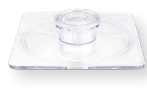
- White epoxy finish.
- Four durable wire racks.
- 8 cm x 9 cm x 10 cm racks.
- Fits in most incubators.

Stock# **Unit**
446-3350 EA



Petrifilm™ Spreaders

Description	Stock #	Use With:	Packaging	Unit
3M™ Petrifilm™ Yeast & Mold Spreader 6497	460-3427	Yeast & Mold Count (YM)	1/ea	EA
3M™ Petrifilm™ Spreader 6425	460-3425	Rapid Aerobic Count (RAC) Rapid Yeast & Mold Count (RYM) Rapid <i>E. coli</i> /Coliform Count (REC)	Lactic Acid Bacteria Count (LAB) Staph Express Count (STX) Salmonella Express Count (SALX)	2/bx BX
3M™ Petrifilm™ Environmental Listeria Plate Spreader 6498	460-3498	Environmental Listeria (EL)	2/bx	BX
3M™ Petrifilm™ Spreader 6496	483-3436	Aerobic Count (AC) Coliform Count (CC) Rapid Coliform Count (RC)	Enterobacteriaceae Count (EB) <i>E. coli</i> /Coliform Count (EC) Aqua Heterotrophic Count (AQHC)	1/ea EA
3M™ Petrifilm™ High-Sensitivity Plate Spreader 6481	460-3481	High-Sensitivity Coliform Count (HSCC)	2/bx	BX



3M™ Petrifilm™ Plate Guide to Dilution Preparation

Liquid Sample	Add sample to dilution buffer	Adjust pH?	Shake	3M™ Petrifilm™ Plate


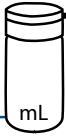
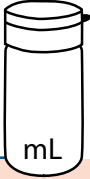

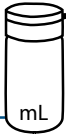
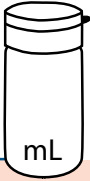
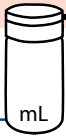
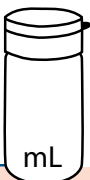
1. Adjust pH to recommended range found in the plate's product instructions. Note: Once a protocol has been developed, pH adjustment can become routine at this step.
2. Shake. United States dairy guidelines recommend making 25 complete up and down (or back and forth) movements of about 30 cm in seven seconds.
3. Settle. Some samples may need a few minutes to settle before inoculation. Settling makes pipetting easier and minimizes the number of food particles on the plate.

Viscous or Solid Sample	Weigh Sample	Add dilution buffer	Adjust pH?	Stomach, Blend, or Shake	Settle	3M™ Petrifilm™ Plate
	 NOTE: Use of a stomacher bag with filter minimizes food particles on the plate.					

3M™ Petrifilm™ Plates Sample Preparation. (2019). 3M.

3M™ Petrifilm™ Plates Guide to Dilution Preparation

Many foods require a dilution step before plating, and the following is a guide to follow when preparing dilutions. Use with dairy and juice products, for specific dilution recommendations.

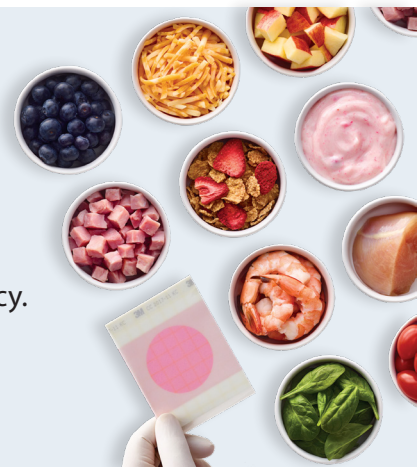
Dilution	Sample Size	Diluent
1:5	10.00 g	40 
	or	
	22.50 g	90 
or		
	24.75 g	99 
1:10	1.00 g	9 
	or	
	10.00 g	90 
or		
	11.00 g	99 
1:20	4.74 g	90 
	or	
	5.21 g	99 

3M™ Petrifilm™ Plates Guide to Dilution Preparation. (2019). 3M.

3M™ Petrifilm™ Plates are Made for Today's Food Science

The global food safety landscape is continuously changing. Are you keeping up? Unlike traditional agar methods, 3M Petrifilm Plates are ready to use—no prep required. Find new freedom with time to focus on what's really important: quality and efficiency.

- Ready to use—reduce or eliminate time-consuming agar prep.
- Proven testing methods for consistent, reliable results.
- Compact size uses less storage/incubator space.



3M™ Flip-Top Dilution Bottles

Handy flip-top style provides a fast, easy, and reliable bottle for sample handling. Flip-top lids can be opened with one hand and stay open for easy sample additions. 60/case.

Stock # **Description** **Unit**

90 mL

351-3601	Butterfield's Buffer	CA
351-3605	Peptone Water	CA
351-3603	Phosphate Buffer	CA
351-3608	Buffered Peptone Water	CA
351-3600	Buffered Peptone Water ISO	CA



3M™ Mini Flip-Top Vials

Same great features of the 3M Flip-Top Dilution Bottles in a smaller version. 100/case.

Stock # **Description** **Unit**

9 mL

351-3202	Butterfield's Buffer	CA
351-3005	Buffered Peptone Water	CA
351-3006	Letheen Broth	CA
351-3008	Maximum Recovery Diluent	CA

10 mL

351-3059	Buffered Peptone Water	CA
351-3310	D/E neutralizing Broth	CA
351-3060	Letheen Broth	CA
351-3061	Neutralizing Buffer	CA

3M™ Enrichment Pouches

Constructed of a multi-laminate plastic that is puncture resistant. The flat-bottom design helps ensure stability while the wire tab holds the top of the pouch open for easy collection. The included 225 mL of pre-made enrichment broths provide ready to use sample preparation with no mixing required. Each case is gamma radiated to ensure the highest level of sterility. 2-year shelf life. 32/case.



Stock # **Description** **Unit**

351-3042	Buffered Peptone Water	CA
351-3043	Buffered Peptone Water w/ filter	CA
351-3045	Lactose Broth	CA
351-3047	Tryptic Soy Broth	CA
351-3088	Buffered Peptone Water	CA

Looking to Optimize Your Sample Collection Process?

3M and Nelson-Jameson are able to provide you with time and cost saving opportunities thanks to various sample preparation options, such as dilution pouches, bottles, and enrichment procedures.

3M™ Dilution Pouches

Heavyweight, puncture resistant pouches ideal for various sample preparations and enrichment procedures.

- Flat bottom to allow pouch to stand independently.
- Strong enough to use in a homogenizer.
- Pre-filled bags available with or without filter.

Stock #	Description	Volume	Packaging	Unit
351-3004	Butterfield's Buffer	99 mL	50/ca	CA
351-3002	Butterfield's Buffer w/ filter	225 mL	32/ca	CA
351-3001	Butterfield's Buffer	225 mL	32/ca	CA
351-3003	Butterfield's Buffer	450 mL	16/ca	CA



3M™ Environmental Scrub Sampler

An innovative solution for environmental microbial sampling applications. It effectively neutralizes commonly used sanitizers and allows for up to a 96 hour sample hold time.

Features:

- Formulated to effectively neutralize common sanitizers, including quats; high acid cleaners; chlorine-based, hydrogen peroxide, and peroxyacetic acid-based sanitizers.
- Scrub dot technology to disrupt biofilms and enhance sample collection.
- Free from known allergenic components, known PCR-inhibitors, animal-derived materials (ADMs), and components made from genetically modified organisms (GMOs).
- Multilayered non-woven composite product designed for pick-up, release, and absorbency.
- AOAC® Performance Tested MethodsSM Certificate 022104.*

*The first and only sample collection device and neutralizing solution to be granted the AOAC® Performance Tested MethodSM certification.

Stock # Packaging Unit

3M™ Environmental Scrub Sampler with 10 mL Wide Spectrum Neutralizer and Gloves

351-3071 100/ca CA

3M™ Environmental Scrub Sampler Stick with 10 mL Wide Spectrum Neutralizer

351-3072 100/ca CA



3M™ Sponge-Sticks

Allows you to sample without directly handling the sponge, making it easier to reach into drains, pipes, and around equipment. Available in wet or dry formats and with the option of gloves to fit many applications. Comes with a 1.5" x 3" biocide-free cellulose sponge, 10 mL of liquid media, and a 6" x 11" sample bag with a 30-oz capacity. 100/case.



Stock #	Description	Unit
351-3025	Buffered Peptone Water	CA
351-3065	D/E Neutralizing Buffer	CA
351-3110	Lethen Broth	CA
351-3026	Lethen Broth w/ 2 Gloves	CA
351-3995	Neutralizing Buffer	CA
351-3027	Neutralizing Buffer w/ 2 Gloves	CA
351-3028	Dry Sponge in bag only	CA

3M™ Extendable Sponge-Stick Pole

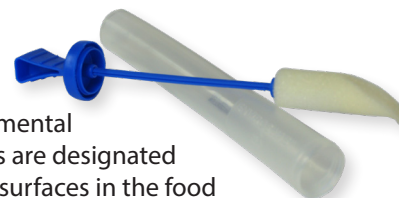
Perfect accessory to use with 3M Environmental Sponge-Sticks—this telescoping pole provides a convenient way to reach locations up to 8' away.

Stock # Unit
351-3975 EA



3M™ Enviro Swabs

Pre-moistened with special transport medium for environmental sample collection, these swabs are designated for swabbing all types of food surfaces in the food industry. The large swab head and shaped tip efficiently collect organisms in 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.



Stock # Packaging Unit
351-3309 100/ca CA

3M™ Hydrated Sponges

Convenient, pre-hydrated, biocide-free cellulose sponges maintain organism viability. Includes a sample bag that has a write-on label for easy identification as well as 10 mL of liquid media. Each sample bag is sealed and sterile. Sponge size is 1.5" x 3".

Stock #	Description	Bag Size	Packaging	Unit
351-3029	Buffered Peptone Water	18-oz	100/ca	CA
351-3030	Buffered Peptone Water w/ 2 Gloves	18-oz	100/ca	CA
351-3133	D/E Neutralizing Broth w/ 2 Gloves	18-oz	100/ca	CA
351-3031	Lethen Broth	18-oz	100/ca	CA
351-3032	Lethen Broth w/ 2 Gloves	18-oz	100/ca	CA
351-3302	Neutralizing Broth w/ 2 Gloves	18-oz	1/ea	EA
351-3303	Neutralizing Buffer	18-oz	100/ca	CA
351-3301	Neutralizing Buffer w/ 2 Gloves	18-oz	100/ca	CA
351-3306	Neutralizing Buffer w/ 2 Gloves	24-oz	100/ca	CA
351-3300	Dry Sponge in bag only	24-oz	100/ca	CA



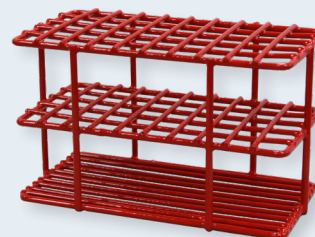
460-3432



3M™ Quick Swabs

Ready to use environmental swab system consists of a 5" rayon-tipped swab and contains letheen neutralizing buffer to facilitate recovery of bacteria. The swab can be used wet or dry to sample surfaces, and delivers 1.0 mL of sample to a Petrifilm™ Plate. Vinyl-covered rack holds 50 swabs and is sold separately.

Stock #	Packaging	Unit	Stock #	Packaging	Unit
Quick Swabs			Swab Rack		
460-3432	50/bx	BX	446-3340	1/ea	EA
460-3434	250/ca	CA			

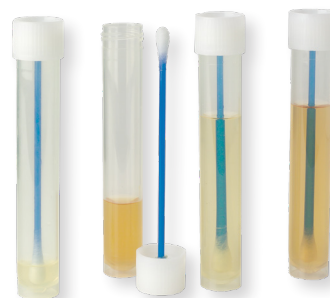


446-3340

3M™ Swab Sampler

Contain swabs in pre-filled bottles with your choice of enrichment broth or neutralizing solution. Bottles have ample headspace for sample addition and vortexing to release organisms from the swab. 100/case.

Stock #	Description	Volume	Unit
351-3034	Buffered Peptone Water	10 mL	CA
351-3035	D/E Neutralizing Broth	10 mL	CA
351-3993	Letheen Broth	1 mL	CA
351-3307	Letheen Broth	4 mL	CA
351-3037	Letheen Broth	5 mL	CA
351-3960	Letheen Broth	10 mL	CA
351-3992	Neutralizing Buffer	4 mL	CA
351-3036	Neutralizing Buffer	10 mL	CA



3M™ Printable Sample Bags

Safety-tabbed bags eliminate accidental punctures to gloves and other bags while staying open for aseptic sampling. These sterile bags have writable areas, easy tear-off openings, and secure wire closures. 1000/case.

Stock #	Capacity	Size	Unit
2.5 Mil			
351-3245	4-oz	3" x 7"	CA
351-3244	15-oz	4.5" x 9"	CA
3.0 Mil			
351-3127	22-oz	5.5" x 9"	CA



Quality Without Compromise—

3M™ Sample Collection, Preparation, and Testing

Better testing begins with better samples—and better samples are obtained when you use the best collection tools. 3M Sample Collection provides quality products designed specifically for microbial surface sampling. Make environmental testing and product sampling easy and convenient with the full line of 3M products.

- Easy to use for product sampling and environmental testing.
- Improved consistency from technician to technician and plant to plant.
- Exceptional convenience and quality.
- Increased productivity and efficiency.
- Reliable and accurate, time after time.

Sartorius Picus® Pipettor

Uniquely lightweight electronic pipettor provides an effortless pipetting experience. Features a conveniently located soft-touch operating button and electronic tip ejection to help minimize muscle strain. Electronic piston control and brake guarantee accurate and precise results, independent of the user.

Stock #	Volume	Unit
187-5081	50 to 1000 µL (1 mL)	EA
187-5101	100 to 5000 µL (5 mL)	EA

Charging Stands for Picus Pipettors

187-3098	Stand for one unit	EA
187-3090	Stand for four units	EA

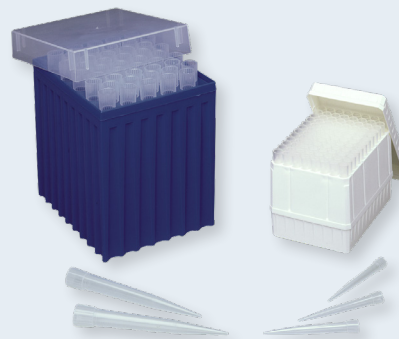


Pipet Tips & Accessories

Pre-programmed to perform the most common dilutions and provide high-accuracy and precision handling for micro-volumes of liquids. The self-calibrated and microprocessor-controlled system reduces human error and contamination by controlling speed, calibration, and volume selection. All accessories are compatible with the Picus® Pipettors.

- Lightweight with an ergonomic design to avoid strain injuries.
- Multi-dispense features increase productivity.

Stock #	Description	Packaging	Unit
Electronic Pipettor Tips, 1 mL			
460-3486	Racked, Pre-Sterilized	960/bx	BX
187-5105	Bulk, Non-Sterile	960/bx	BX
Electronic Pipettor Tips, 5 mL			
460-3489	Racked, Pre-Sterilized	500/bx	BX
187-5114	Bulk, Non-Sterile	1,000/bx	BX
Pipettor Accessories			
187-3071	Electronic Pipettor Autoclavable Grease	-	TB
187-3070	Cone Filter*	50/pk	PK
187-3089	Cone Filter*	50/pk	PK
187-3002	Battery	-	EA



*Use 187-3070 with 1 mL Sartorius Picus Pipettors and 1 mL and 5 mL 3M Pipettors. Use 187-3089 with 5 mL Sartorius Picus Pipettors.

Boekel™ Analog Incubator

Ideal for incubating up to 300 3M™ Petrifilm™ Plates. This compact unit features a solid steel door which provides temperature uniformity and stability.

- Volume: 0.8 cu. ft.
- Temperature Range: Ambient + 5° to 60°C.
- Shelves included (max): 2 (4).



Stock #	Interior	Exterior	Unit
068-3112	11.5"W x 12"H x 10.5"D	13"W x 14"H x 16.25"D	EA

Heratherm™ Compact Incubator

18L Capacity mechanical convection incubator operates at or below ambient temperatures. Perfect for 3M™ Rapid Yeast and Mold Petrifilm™.

- Volume: 0.65 cu. ft.
- Shelves Included (max): 2 (3).
- Temperature Range: 17° to 40°C.
- Internal light and window in door facilitates sample observation.



Stock #	Interior	Exterior	Unit
038-3430	7.1"W x 11.4"H x 12.2"D	10.2"W x 18.5"H x 16.3"D	EA

Seward Stomacher® 400 Circulator

Manufactured to industrial standards, the circulator allows for easy and effective processing of multiple samples without the risk of cross-contamination. The quality and build of this stomacher makes it highly durable and reliable, ensuring consistent homogenization during frequent use.



Stock #	Capacity	Voltage	Unit
656-3000	80 to 400 mL	110 V	EA



Seward Stomacher® 400 EVO Lab Blender

Combines the gold standard attributes of the original Stomacher 400 with improved, easy to use features, including a one-touch bag loading system. Providing maximum performance while minimizing noise, this used with the associated Stomacher 400 ECO sample preparation bags (sold separately), can save up to 25% on consumables. As ECO bags use significantly less plastic than standard bags, this reduces waste, making them both economical and eco-friendly, which is ideal for ISO 14001 laboratories.

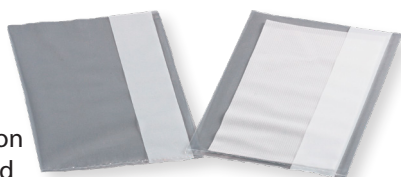


Stock #	Capacity	Voltage	Unit
656-3030	400 mL	100 V	EA



3M™ 55-oz Filtered Printable Blender Bags

Provide the extra strength needed for blending during sample preparation with these multi-laminate polyethylene pouches. Features a writable panel that provides easy to read identification of samples. Puncture resistant and does not include top wires.



Stock #	Size	Mil	Packaging	Unit
351-3912	6.75" x 12"	3.0	200/ca	CA
351-3911	7" x 12"	3.0	400/ca	CA
351-3913	7" x 12"	3.0	1000/ca	CA
351-3910	7" x 12"	4.0	1000/ca	CA

Looking for additional 3M™ Food Safety Supplies?

Request a FREE copy of our 3M Food Safety Flyer.



OHAUS® SCOUT® Portable Balance

Built to stringent OHAUS standards, the rugged SCOUT is backed by a 2-year warranty on labor and parts. With a slim, stackable design and large, backlit LCD screen, it is ideal for laboratory and industrial applications. AC adaptor included, or use (4) AA batteries (sold separately). Available with or without touchscreen.

- Superior overload protection.
- Multiple weighing units and application modes.
- 420 g capacity.
- 0.01 g readability.
- 4.7" round pan size.



Stock #	Screen	Unit
501-3403	Backlit LCD	EA
501-3415	Full Touch Screen	EA



2840 ELP Tuttnauer Electronic Sterilizer with Built-in Printer

Provides a fast, safe, dependable, and convenient means of sterilizing instruments, glassware, clothing, liquids, and waste. Every stage of the cycle, including water-fill, heating, sterilization, exhaust, and drying, are microprocessor-controlled and completely automatic.



- Chamber Dimensions: 11" x 18"
- External Dimensions: 20.9"W x 17.3"H x 24.8"D.
- Chamber Volume: 28 L.
- Power: 230 V, 1-Phase.

Stock #	Unit
329-3025	EA



Meet the New Standard of Sampling

3M™ Environmental Scrub Sampler



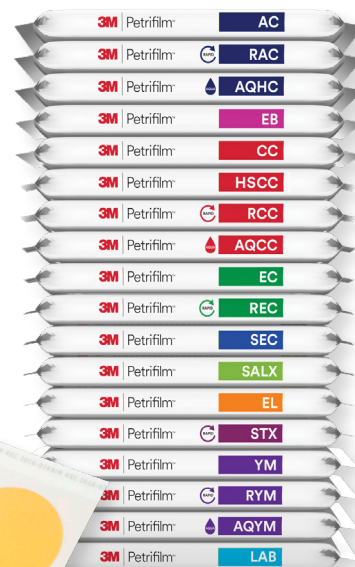
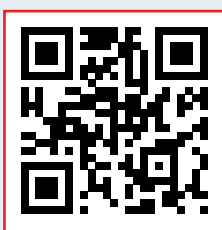
See page 8 for
more information!

Take a Fresh Look at Food Safety with 3M™ Petrifilm™ Plates

Ready to enhance your lab with fresh science?

Petrifilm Plates offer testing methods for consistent, reliable results. They're ready to use, reducing or eliminating time-consuming agar prep. Plus, their compact size uses less storage/incubator space. Find new freedom with time to focus on what's really important: quality and efficiency.

- ✓ Purchase products
- ✓ Discover tips and tricks
- ✓ Explore educational material



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