

# 3M™ Molecular Detection System

Plus all the testing supplies you need to get started

## Pathogen Testing. Pure and Simple.

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, and specific pathogen detection method.

### Benefits

- Real-time results allow for faster corrective actions or earlier ship dates of finished products.
- Presumptive positive samples in as little as 15 minutes.
- Utilizes the same protocol for each assay with fewer steps than most tests.
- Assay tubes are color-coded by organism and match software screens to allow for better tracking and easy identification.
- Powerful software that allows operation of up to four instruments simultaneously from one computer.

**The 3M™ Molecular Detection System includes:** Software, chill block insert, chill block tray, speed loader tray, cap/decap tools for Lysis and Reagent, and empty Lysis and Reagent trays. 2-Year Extended Warranty sold separately.



## Compact Design.

Provides a smaller footprint than a standard notebook computer, so it requires significantly less space than the market leading rapid method. With no moving parts and automatic diagnostics at start-up, this affordable instrument requires minimal maintenance.

## Make Critical Decisions Faster.

When you're making important choices that could impact businesses and public health, you need software that's intuitive and powerful. The 3M™ Molecular Detection Software gets you results when you need them—along with a user-friendly interface for quick setup and real-time results for faster decisions.

Stock #	Description	Unit
351-3197	3M™ Molecular Detection System	EA
351-3903	2-Year Extended Warranty	EA

## 3M™ Molecular Detection Assay Matrix Control

Verify that new or unknown matrices are not inhibitory to amplification, with these ready-to-use, pre-dispensed reagents, with only two transfer steps after enrichment. Features a closed-tube system to reduce the risk of amplicon contamination.

Stock #	Packaging	Unit
351-3219	96 tests/kt	KT



## 3M™ Molecular Detection Assay 2-Salmonella

Detect Salmonella in enriched food, and environmental samples within 18-30 hours. Additional item needed: Buffered Peptone Water ISO (351-3213) sold separately.



Stock #	Packaging	Unit
351-3195	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-Listeria

Detect Listeria in enriched food and environmental samples within 24-32 hours. Additional items needed: Demi-Fraser Broth (351-3217) and Fraser Broth Supplement (351-3222) both sold separately.



Stock #	Packaging	Unit
351-3198	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-Listeria Monocytogenes

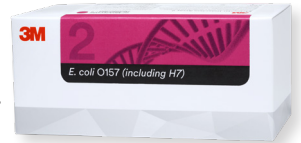
Detect Listeria monocytogenes in enriched food and environmental samples within 24-32 hours. Raw dairy matrices require 40 hours. Additional items needed: Demi-Fraser Broth (351-3217) and Fraser Broth Supplement (351-3222) both sold separately.



Stock #	Packaging	Unit
351-3199	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-E.coli O157 (including H7)

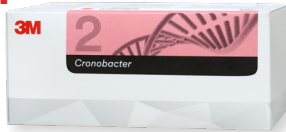
Detect E.coli O157 (including H7) in enriched food within 24-48 hours. Additional items needed: Buffered Peptone Water ISO (351-3213) sold separately.



Stock #	Packaging	Unit
351-3191	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-Cronobacter

For the rapid and specific detection of Cronobacter species in enriched powdered infant formula, raw materials to manufacture powdered infant formula, infant cereals, and environmental samples for next day results. Additional item needed: Buffered Peptone Water ISO (351-3213) sold separately.



Stock #	Packaging	Unit
351-3182	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-Campylobacter

For the rapid and specific detection of Campylobacter specifically for meat, poultry, and eggs, as well as prepared and processed foods and environmental samples. Additional items needed: Campylobacter Enrichment Broth (351-3178) sold separately.



Stock #	Packaging	Unit
351-3181	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-STEC Gene Screen (stx)

Detecting of Shiga toxin gene (stx1 and/or stx2) is a critical test for the produce and meat/poultry industries. Dependent on sample matrix enrichment time is only 10-24 hours. Additional items needed: Buffered Peptone Water ISO (351-3213) sold separately.



Stock #	Packaging	Unit
351-3183	96 tests/kt	KT

## 3M™ Molecular Detection Assay 2-STEC Gene Screen (stx and eae)

Detecting of Shiga toxin-producing E. coli (STEC) is a critical test for the produce and meat/poultry industries. Dependent on sample matrix enrichment time is only 10-24 hours. Additional items needed: Buffered Peptone Water ISO (351-3213) sold separately.



Stock #	Packaging	Unit
351-3184	48 tests/kt	KT



## Eppendorf Research® plus Pipette Fixed Volume

The most advanced and ergonomic 20 µL pipette available from Eppendorf. This ultralight pipette meets the highest needs in precision and accuracy—combined with ultimate ergonomics and increased flexibility.

Stock #	Volume Range	Unit
090-3341	20 µL	EA



## Eppendorf Research® plus Multi-Channel Pipette

Meets the highest needs in precision and accuracy. This ultralight pipette also provides you with increased flexibility and ultimate ergonomics. Features eight channels, adjustable volume, and a yellow control button.

Stock #	Volume Range	Unit
090-3336	10-100 µL	EA



## Eppendorf ep Dualfilter T.I.P.S.®

Provide reliable protection against even the finest impurities. Dualfilter T.I.P.S. are LoRetention, PCR clean and sterile. 960 tips (10 racks × 96 tips).

Stock #	Volume Range	Unit
090-3333	2-100 µL	CA

## 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	80-400 mL	110 V	EA



## 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.

Bag Size: 7" x 12"

Sample Size: 80-400 mL

Stock #	Bag Type	Packaging	Unit
<b><i>Stomacher 400 Circulator Bags</i></b>			
656-3011	Standard	500/bx	BX
656-3012	Standard	200/bx	BX
656-3013	Closure	250/bx	BX
<b><i>Stomacher 400 Classic Bags</i></b>			
656-3007	Standard	500/bx	BX
656-3025	Standard	200/bx	BX
656-3008	Closure	250/bx	BX



## OHAUS® SCOUT® Portable Balance

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, it comes in a slim, stackable design with large backlit LCD Screen. Features include superior overload protection, multiple weighing units and application modes, 420 g capacity, 0.01 g readability, and 4.7" round pan size. AC adaptor included, or use (4) AA batteries (not included). Available with and without touchscreen.



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



## 3M™ 22-oz Printable Sample Bags

Safety tabbed bags eliminate the sharp points which can scratch hands, puncture gloves or other bags. These sterile, writable area bags have easy tear off openings, which remain until ready to use. Wire ties provide a secure closure.



Stock #	Size	Packaging	Unit
<b>351-3127</b>	5.5" x 9"	1000/ca	CA

## 3M™ 55-oz Filtered Printable Blender Bags

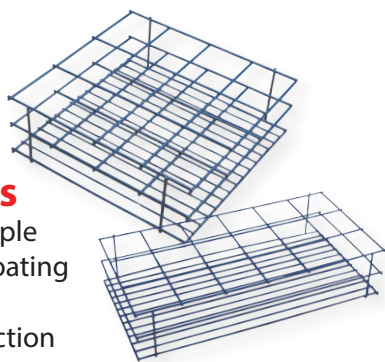
These 4 mil thickness, polyethylene bags provide the extra strength needed for blending during sample preparation. The multi-laminate polyethylene pouch is puncture resistant, and there are no top wires. Features a writeable panel that provides easy to read identification of samples.



Stock #	Size	Packaging	Unit
<b>351-3912</b>	6.75" x 12"	200/ca	CA

## Sample Bag Racks

Specially designed for sample bags. Blue powder paint coating electrostatically applied to heavy-gauge wire construction is autoclavable.



Stock #	Size	Compartments	Unit
<b>Holds 13 to 24-oz Bags</b>			
<b>486-3075</b>	10.75"L x 10.75"W x 3.5"H	12	EA
<b>486-3120</b>	13.25"L x 10.75"W x 3.5"H	20	EA
<b>Holds 24 to 69-oz Bags</b>			
<b>486-3122</b>	13.25"L x 9.25"W x 4.5"H	6	EA

## 2840 ELP Tuttnauer Electronic Sterilizer with Built-in Printer

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



**Chamber Dimensions:** 280 x 400 mm

**External Dimensions:** 530 x 440 x 630 mm

**Chamber Volume:** 28 L

**Power:** 230 V, 1-Phase

Stock #	Mfg #	Unit
<b>329-3025</b>	2840ELP	EA



## Quincy Lab 180 Series Incubator—Digital

Offers the ease of temperature setting and the stability of a full PID microprocessor that accurately maintains a temperature setting even in varying ambient or power supply conditions. Features an insulated solid steel door, illuminated power switch, 2-shelves, and a bi-metal thermostat control.

**Interior Dimensions:** 18"W x 16"D x 12"H

**Exterior Dimensions:** 19"W x 21"D x 13"H

**Capacity:** 2 cu. ft.

**Temperature Range:** Ambient +3-93°C

Stock #	Mfg #	Unit
<b>397-3191</b>	12-180E	EA



## Digital Dry Block Heater

Holds interchangeable, modular heating blocks for exceptional temperature uniformity and stability. Includes LED display for temperature and time, and a five-year warranty on parts and labor. Available with a NIST, ISO/IEC 17025 Accredited Calibration Certificate. Heats up to 120°C. Heat block insert (351-3200), and verification thermometer for heat block (511-3040) both sold separately.

Stock #	Capacity	Size	Unit
<b>716-3222</b>	2 Block	13.7"L x 7.7"W	EA

## 3M™ Sponge-Sticks

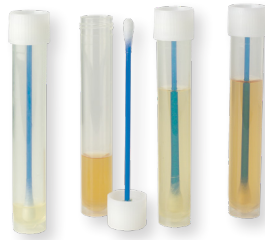
Perfect for hard to reach areas such as drains, pipes, and around equipment. Biocide-free cellulose sponge measures 1.5" x 3" and maintains organism viability. Sample bag measures 6" x 11" with a 30-oz capacity for safe, convenient transportation to the lab.



Stock #	Description	Packaging	Unit
<b>351-3065</b>	10 mL D/E Neutralizing Buffer	100/ca	CA
<b>351-3110</b>	10 mL Letheen Broth	100/ca	CA
<b>351-3027*</b>	10 mL Neutralizing Buffer w/ 2 gloves	100/ca	CA

## 3M™ Swab Sampler

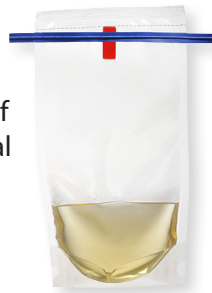
Swab easy with these pre-filled bottles with various diluents. Since the swab is attached, the bottles have ample headspace for sample addition and vortexing to release organisms from the swab. The screw cap tubes are filled with your choice of enrichment broth or neutralizing solution.



Stock #	Description	Packaging	Unit
<b>351-3993</b>	1 mL Letheen Broth	100/ca	CA
<b>351-3307</b>	4 mL Letheen Broth	100/ca	CA
<b>351-3037</b>	5 mL Letheen Broth	100/ca	CA
<b>351-3960</b>	10 mL Letheen Broth	100/ca	CA
<b>351-3992*</b>	4 mL Neutralizing Buffer	100/ca	CA
<b>351-3036*</b>	10 mL Neutralizing Buffer	100/ca	CA
<b>351-3035</b>	10 mL D/E Neutralizing Buffer	100/ca	CA

## 3M™ Enrichment Pouch with Buffered Peptone Water ISO

An enrichment media used for the recovery of microorganisms from food and environmental samples. Pre-measured with 225 mL of broth. Solution conforms to ISO 6570 specified formulation and released in accordance with ISO 11133:2014 Standard Method.



Stock #	Description	Packaging	Unit
<b>351-3088</b>	Filtered Bags	32/ca	CA
<b>351-3115</b>	Non-Filtered Bags	32/ca	CA

## 3M™ Hydrated-Sponges

Use these 1.5" x 3" biocide-free cellulose sponges to maintain organism viability. Bags are sealed and sterile to assure that no sponge is contaminated, feature a write on strip, and are scored at the top for easy opening.



Stock #	Description	Packaging	Unit
<b>18-oz Capacity</b>			
<b>351-3300*</b>	Dry Sponge in bag only	100/ca	CA
<b>351-3133</b>	10 mL D/E Neutralizing Buffer w/ 2 gloves	100/ca	CA
<b>351-3031</b>	10 mL Letheen Broth	100/ca	CA
<b>351-3032</b>	10 mL Letheen Broth w/ 2 gloves	100/ca	CA
<b>351-3302*</b>	10 mL Neutralizing Buffer w/ 2 gloves	1/ea	EA
<b>351-3303*</b>	10 mL Neutralizing Buffer	100/ca	CA
<b>351-3301*</b>	10 mL Neutralizing Buffer w/ 2 gloves	100/ca	CA
<b>24-oz Capacity</b>			
<b>351-3306*</b>	10 mL Neutralizing Buffer w/ 2 gloves	100/ca	CA

## 3M™ Dehydrated Media

The two most commonly used media for your MDS testing. Demi Fraser Broth is used for the selection of Listeria Species including Listeria monocytogenes. Buffered Peptone Water ISO is used for detecting Salmonella and E.coli O157 (including H7).



Stock #	Size	Unit	Stock #	Size	Unit
<b>Demi Fraser Broth Base</b>			<b>Buffered Peptone Water ISO</b>		
<b>351-3217</b>	500 g	JR	<b>351-3213</b>	500 g	JR
<b>351-3405</b>	2.5 kg	PA	<b>351-3207</b>	2.5 kg	PA
			<b>351-3410</b>	10 kg	PA

## Clorox Bleach Germicidal Wipes

Ready-to-use 6.75" x 9" wipes are built to kill 50 or more microorganisms in 3 minutes or less.

Stock #	Packaging	Unit
<b>477-2801</b>	70 wipes/cn; 6 cn/ca	CA



**\*IMPORTANT NOTE for NEUTRALIZING BUFFER:** When using Neutralizing Buffer (NB) as your solution for the sponge, it is required to perform a 1:2 dilution (1 part sample into 1 part sterile enrichment broth) of the enriched environmental sample before testing in order to reduce the risk associated with a false result leading to the release of contaminated product.

# Pathogen Testing by Segment

The 3M™ Molecular Detection System offers pathogen testing using a single protocol and next-day results for a wide variety of food and beverage segments.



	3M™ Molecular Detection Assay 2-Salmonella	3M™ Molecular Detection Assay 2-E.coli O157 (including H7)	3M™ Molecular Detection Assay 2-Listeria	3M™ Molecular Detection Assay 2-Listeria Monocytogenes	3M™ Molecular Detection Assay 2-Chronobacter	3M™ Molecular Detection Assay 2-Campylobacter	3M™ Molecular Detection Assay 2-STEC Gene Screen
Animal Feed	✓						
Dairy	✓		✓	✓	✓		✓
Environmental	✓		✓	✓	✓		
Infant Formula	✓				✓		
Milk	✓	✓	✓	✓			✓
Pet Food	✓						
Pork and Meat	✓	✓					✓
Primary Production	✓						
Poultry—cooked and raw	✓		✓	✓		✓	✓
Processed Food	✓		✓	✓			
Produce	✓	✓	✓	✓			✓
Ready to Eat	✓	✓	✓	✓			✓
Reference Labs	✓	✓	✓	✓	✓	✓	✓
Salmon			✓	✓			
Seafood	✓		✓	✓			

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