

3M™ Petrifilm™ Plates

Plus all the testing supplies you need to get started

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

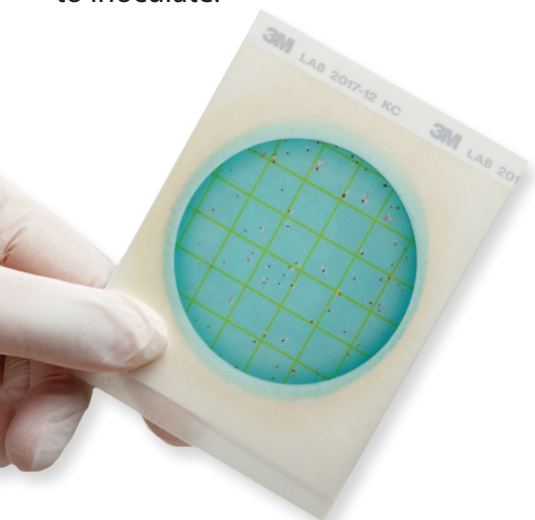
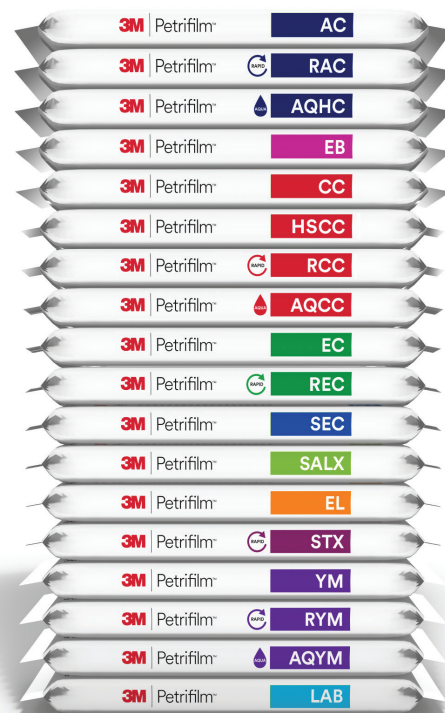
Eliminate media prep—plates are ready to inoculate.

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. We'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.

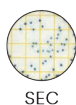
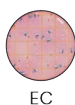
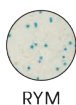
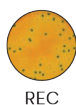
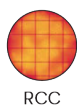
Productivity. Advanced.



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



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.

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

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. For more than 30 years, food safety professionals around the world have put their trust in 3M Petrifilm Plates. 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™ E.coli/Coliform Count Plates (EC)	460-3404	24 to 48 hr	✓	50/bx	BX
	460-3414			500/ca	CA
3M™ Petrifilm™ Rapid E.coli/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 and Mold Count Plates (YM)	460-3407	3 to 5 days		100/bx	BX
	460-3417			1000/ca	CA
3M™ Petrifilm™ Rapid Yeast and 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

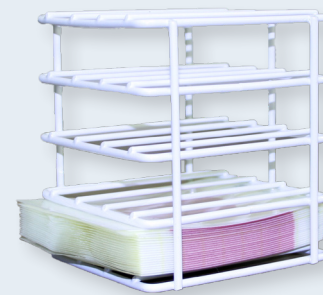


3M™ Petrifilm™ Plate Rack

Increases efficiency by holding approximately 80 Petrifilm Plates.

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

Stock# **Unit**
446-3350 EA



Petrifilm™ Spreaders

Description	Stock #	Use With:	Packaging	Unit
3M™ Petrifilm™ Yeast and Mold Spreader 6497	460-3427	Yeast and Mold Count (YM)	1/ea	EA
3M™ Petrifilm™ Spreader 6425	460-3425	Rapid Aerobic Count (RAC) Rapid Yeast and Mold Count (RYM) Rapid E.coli/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) E.coli/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™ Plates Sample Preparation

Liquid Sample	Add sample to dilution buffer ¹	Adjust pH? ²	Shake ³	3M™ Petrifilm™ Plate

Notes:

1. 3M™ Petrifilm™ Plate Guide to Dilution Preparation
2. 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.
3. Shake. United States dairy guidelines recommend making 25 complete up and down (or back and fourth) movements of about 30 cm in seven seconds.
4. 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 ¹	Add dilution buffer ¹	Adjust pH? ²	Stomach, Blend, or Shake ³	Settle ⁴	3M™ Petrifilm™ Plate
	 NOTE: Use of a stomacher bag with filter minimizes food particles on the plate.					

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 mL
	or	
	22.50 g	90 mL
	or	
	24.75 g	99 mL
1:10	1.00 g	9 mL
	or	
	10.00 g	90 mL
	or	
	11.00 g	99 mL
1:20	4.74 g	90 mL
	or	
	5.21 g	99 mL

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
99 mL		
351-3602	Butterfield's Buffer	CA
351-3606	Peptone Water	CA
351-3604	Phosphate Buffer	CA



3M™ Mini Flip-Top Vials

Handy flip-top style provides a fast, easy, and reliable bottle for sample handling. Lids can be opened with one hand and stay open for easy sample additions. 100/case.

Stock #	Description	Unit
9 mL		
351-3202	Butterfield's Buffer	CA
351-3005	Buffered Peptone Water	CA
351-3006	Letheen Broth	CA
351-3007	MRS 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

3M added 225 mL of a variety of pre-made Salmonella and Listeria enrichment broths to stand-up pouches which are constructed of a multi-laminate plastic that is puncture resistant. The flat bottom of these pouches ensures stability while the wire tab holds the top open. Each case is gamma irradiated to ensure the highest level of sterility, and has a 2-year shelf life. 32/case.



Stock #	Description	Unit
351-3042	Buffered Peptone Water, 225 mL	CA
351-3043	Buffered Peptone Water with filter, 225 mL	CA
351-3045	Lactose Broth, 225 mL	CA
351-3047	Tryptic Soy Broth, 225 mL	CA
351-3088	Buffered Peptone Water, 225 mL	CA

Questions? Ask to speak to a 3M™ Product Manager!

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	Packaging	Unit
351-3004	Butterfield's Buffer, 99 mL	50/ca	CA
351-3003	Butterfield's Buffer, 450 mL	16/ca	CA
351-3002	Butterfield's Buffer with filter, 225 mL	32/ca	CA
351-3001	Butterfield's Buffer, 225 mL	32/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 and a 6" x 11" sample bag with a 30-oz capacity. 100/case.



Stock # Description Unit

351-3025 Buffered Peptone Water, 10 mL CA

351-3065 D/E Neutralizing Buffer, 10 mL CA

351-3110 Lethen Broth, 10 mL CA

351-3026 Lethen Broth w/ 2 gloves, 10 mL CA

351-3995 Neutralizing Buffer, 10 mL CA

351-3027 Neutralizing Buffer w/ 2 gloves, 10 mL CA

351-3028 Dry Sponge in bag only CA

3M™ Extendable Sponge-Stick Pole

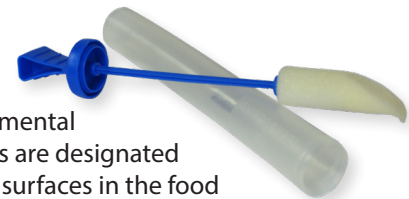
Perfect accessory to use with 3M Environmental Sponge-Sticks—this telescoping pole provides a convenient way to reach locations up to 8' away.

Stock # Unit

351-3975 EA

3M™ EnviroSwabs

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 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.



Stock # Packaging Unit

351-3309 25/bx 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. Each sample bag is sealed and sterile. Sponge size is 1.5" x 3".

Stock #	Description	Packaging	Unit
351-3029	10 mL Buffered Peptone Water, 18-oz Bag	100/ca	CA
351-3030	10 mL Buffered Peptone Water, 18-oz Bag, 2 Gloves	100/ca	CA
351-3133	10 mL D/E Neutralizing Buffer, 18-oz Bag, 2 Gloves	100/ca	CA
351-3031	10 mL Lethen Broth, 18-oz Bag	100/ca	CA
351-3032	10 mL Lethen Broth, 18-oz Bag, 2 Gloves	100/ca	CA
351-3302	10 mL Neutralizing Buffer, 18-oz Bag, 2 Gloves	1/ea	EA
351-3303	10 mL Neutralizing Buffer, 18-oz Bag	100/ca	CA
351-3301	10 mL Neutralizing Buffer, 18-oz Bag, 2 Gloves	100/ca	CA
351-3306	10 mL Neutralizing Buffer, 24-oz Bag, 2 Gloves	100/ca	CA
351-3300	Dry Sponge in bag only, 24-oz Bag	100/ca	CA

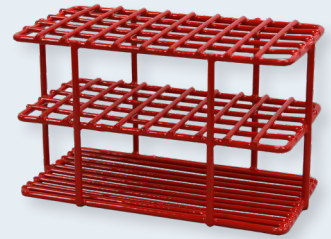


460-3432



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.



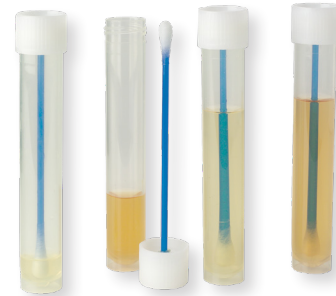
446-3340

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			

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	Unit
351-3034	Buffered Peptone Water, 10 mL	CA
351-3035	D/E Neutralizing Broth, 10 mL	CA
351-3993	Lethen Broth, 1 mL	CA
351-3307	Lethen Broth, 4 mL	CA
351-3037	Lethen Broth, 5 mL	CA
351-3960	Lethen 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	Mil	Packaging	Unit
351-3245	4-oz	3" x 7"	2.5	1000/ca	CA
351-3244	15-oz	4.5" x 9"	2.5	1000/ca	CA
351-3127	22-oz	5.5" x 9"	3.0	1000/ca	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.
- Exceptional convenience and quality.
- Increased productivity and efficiency.
- Reliable and accurate, time after time.
- Improved consistency from technician to technician and plant to plant.

The impact of major recalls, increased consumer awareness, changing regulations and international standards is driving a shift in food safety and quality strategies. While the focus of food testing has traditionally been on raw materials and finished product, a preventive approach through testing the food processing environment can help identify and correct potential issues before they lead to a major problem or recall. Let 3M environmental sampling products help you alleviate any potential issues.

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

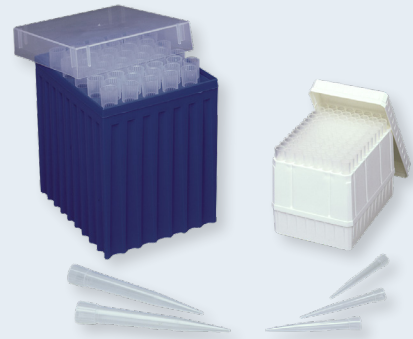


Pipet Tips

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 increased productivity.

Stock #	Description	Packaging	Unit
Electronic Pipettor Tips, 1 mL			
460-3485	Racked	960/bx	BX
460-3486	Racked Pre-Sterilized	960/bx	BX
Electronic Pipettor Tips, 5 mL			
460-3487	Bulk	250/bx	BX
460-3488	Racked	500/bx	BX
460-3489	Racked Pre-Sterilized	500/bx	BX
Pipettor Accessories			
460-3544	Electronic Pipettor Autoclavable Grease	1/ea	EA
460-3070	Cone Filter*	50/pk	PK
187-3089	Cone Filter*	50/pk	PK



*Use 460-3070 with 1 mL Sartorius Picus Pipettors and 1 mL and 5 mL 3M Pipettors. Use 187-3089 with 5 mL Sartorius Picus Pipettors.

Boekel Incubator

Ideal for incubating up to 300 3M™ Petrifilm™ Plates. This compact unit features a steel door and extra insulation.

- Volume: 0.8 cu. ft.
- Ambient + 5° to 60°C.



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

Heratherm™ Compact Incubator

Save space with the most compact unit of the Heratherm microbiological incubators family. The extremely small footprint makes it ideal for a personalized workspace or crowded labs with small sample volumes. Has an 18 L capacity and operates at or below ambient temperatures.

- Capacity: 0.65 cu. ft.
- Shelves Included (max): 2 (3)
- Temperature Range: 17° to 40°C



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, 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.

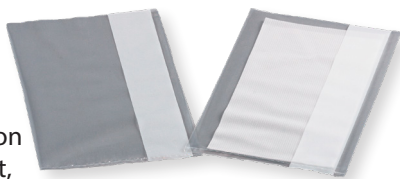


Stock #	Capacity	Voltage	Unit
656-3030	400 mL	100 V	EA



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, are puncture resistant, and do 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 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 (not included). 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	Backlight 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, 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 #	Unit
329-3025	EA



Meet the New Standard of Sampling

3M™ Environmental Scrub Sampler



*See page 8 for
more information!*

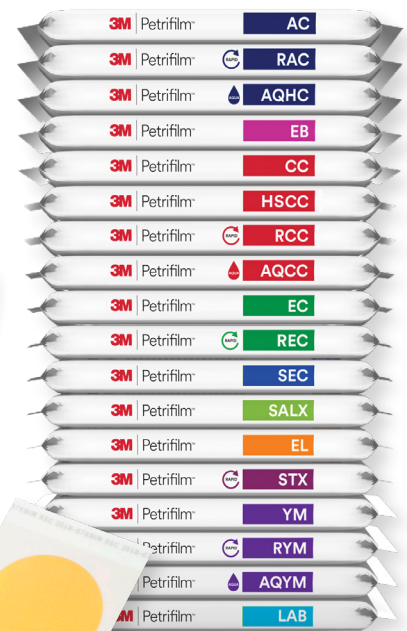
Take a Fresh Look at Food Safety with 3M™ Petrifilm™ Plates

Ready to enhance your lab with fresh science?

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.

**Check out our Petrifilm™
webpage by simply
scanning the QR code.**

Open the camera app on your phone, hold the phone steady over the QR code so your phone can read it, and tap to connect!



NJ611-21