

3M Food Safety

3M™ Petrifilm™ Aqua Plates for Water Testing

keydiagnostics

T: 02 8212 4074 F: 02 9423 6992

info@keydiagnostics.com.au

www.keydiagnostics.com.au

PO Box 1038, Gymea, NSW, 2227



When it comes to
water testing,
we're making waves.

3M

Introducing

3M™ Petrifilm™ Aqua Plates for Water Testing



3M™ Petrifilm™ Aqua Plates are 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 Petrifilm Aqua Plates to cover your unique testing needs:

- Heterotrophic Count
- Coliform Count
- Enterobacteriaceae Count
- Yeast & Mold Count

80% increase in productivity

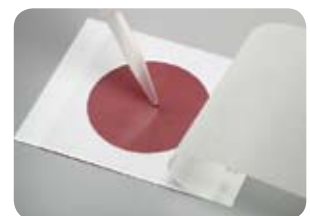
By eliminating the tedious process of making agar, valuable technician time is freed up which can be redirected toward more value-adding activities such as increased sampling, monitoring production and HACCP programs. An industry study conducted with 292 food processing plants demonstrated an 80% increase in technician productivity* (tests per hour) when switching from powdered agar to 3M™ Petrifilm™ Plates, freeing up an average of 3.7 hours per day.

Greater consistency

3M's consistent, standardized formula eliminates the variability in agar making, which improves consistency across technicians, shifts and plants. Each lot of 3M Petrifilm Aqua Plates goes through rigorous quality testing at our ISO 9001 and ISO 14001 certified manufacturing facility.

Ease of use

The simplicity and ease of use of 3M Petrifilm Aqua Plates make it easy to train technicians. Technicians can learn—and succeed—starting with their very first test. And because the method is simple, it reduces the chance for error.



Compatible with membrane filtration.

3M Petrifilm Aqua Plates can be used with either the 1 mL direct-plating technique or the membrane filtration technique. For optimum performance, 3M recommends using Mixed Cellulose Ester (MCE) filters, the most widely used filter material for water testing.

85% Space Savings

50 3M Petrifilm Aqua Plates **vs.** 50 agar dishes and 50 disposable filter funnels



Compact, space-saving design

3M Petrifilm Aqua Plates take up 85% less space than agar dishes and 95% less space than disposable filter funnels. That frees up valuable space in your incubator, on your lab bench, in your refrigerator and in your waste container.

Confirmed coliform results in just 24 hours

The indicator dye in the coliform plate colors all colonies red, and the top film traps gas (seen as bubbles) produced by the coliforms. Gas trapped around red coliform colonies indicates confirmed

coliforms, eliminating the need for a subsequent confirmation step. This saves as much as 1 to 4 days of additional testing to confirm a coliform on an agar plate.

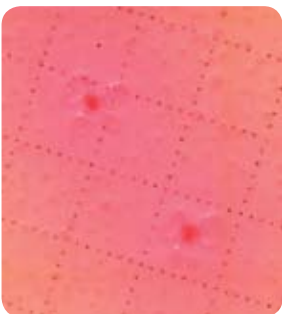


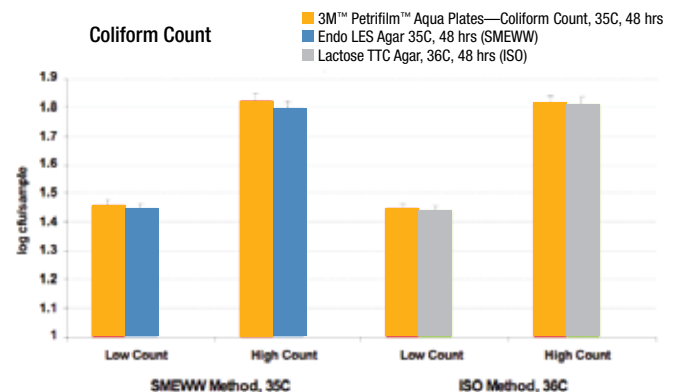
Image magnified XX %.

Longer shelf life

3M Petrifilm Aqua Plates have an 18-month shelf life, ensuring that you never have expired pre-made agar dishes on your hands.

Performance tested

Testing at an independent third-party laboratory demonstrates that 3M Petrifilm Aqua Plates perform similar to standard methods in ISO 6222, 9308, U.S. FDA Bacteriological Analytical Manual (BAM), and the APHA Standard Methods for the Examination of Water & Wastewater.



30 bottled water samples were tested using the 100 mL membrane filtration method with starvation stress.

Source: 3M internal data

Here's why you can trust 3M™ Petrifilm™ Aqua Plates

Food safety leaders from all over the globe trust their brands to 3M™ Petrifilm™ Plates.

For over 25 years, 3M Petrifilm Plates have delivered productivity, consistency and ease-of-use benefits to countless food testing laboratories. These are key reasons why 3M Petrifilm Plates are the leading brand used in food indicator testing.

More than 200 evaluations have been completed by validating agencies and peer-reviewed publications worldwide on the precise, consistent results delivered by 3M Petrifilm Plates—technician-to-technician, shift-to-shift, and plant-to-plant.

Forty-nine of the top fifty food companies in North America, including Nestle, Kraft Foods, Tyson Foods and Cargill Inc.—plus many other global leaders—trust their brands to 3M Petrifilm Plates.

3M is now bringing this solid history of performance and value to water testing.



Summary of benefits:

- Eliminates the need for agar preparation
- Reduces incubator space and waste
- Longer shelf life
- Easy to use

Ideal for:

Bottled water manufacturers and food processors, for testing bottled water, process water* and rinse water*

Ordering Information

Product # Description

Heterotrophic Count Plates (AQHC)

6450	100 plates (2 packs w/50 plates ea.)
6452	1,000 plates (20 packs w/50 plates ea.)

Coliform Count Plates (AQCC)

6457	50 plates (2 packs w/25 plates ea.)
6458	1,000 plates (40 packs w/25 plates ea.)

Product # Description

Yeast and Mold Count Plates (AQYM)

6408	100 plates (2 packs w/50 plates ea.)
6413	1,000 plates (20 packs w/50 plates ea.)

Enterobacteriaceae Count Plates (AQEB)

6418	50 plates (2 packs w/25 plates ea.)
6428	1,000 plates (40 packs w/25 plates ea.)

To order 3M Petrifilm Aqua Plates, call 3M Food Safety Customer Care at 1-800-328-1671.



3M Food Safety

3M Center
Building 275-5W-05
St. Paul, MN
55144-1000
U.S.A.
1-800-328-6553
www.3M.com/foodsafety

3M Canada

Post Office Box 5757
London, Ontario N6A 4T1
Canada
1-800-364-3577

3M Europe & MEA

3M Deutschland GmbH
Carl-Shurz – Strasse 1
D41453 Neuss/Germany
+49-2131-14-3000

3M Latin America

3M Center
Bldg 275-5W-05
St. Paul, MN 55144-1000
U.S.A.
1-651-737-2239

3M Asia Pacific

No 1, Yishun Avenue 7
Singapore, 768923
65-64508869

Please recycle.
Printed in U.S.A.
© 3M 2011.
All rights reserved.
70-2009-9447-6

3M and Petrifilm are trademarks of 3M.

*3M has not documented the performance of 3M Petrifilm Aqua Plates for water samples other than bottled water. The use and validation of 3M Petrifilm Aqua Plates to test other types of water samples, such as process or rinse water, is at the sole discretion and responsibility of the end user.