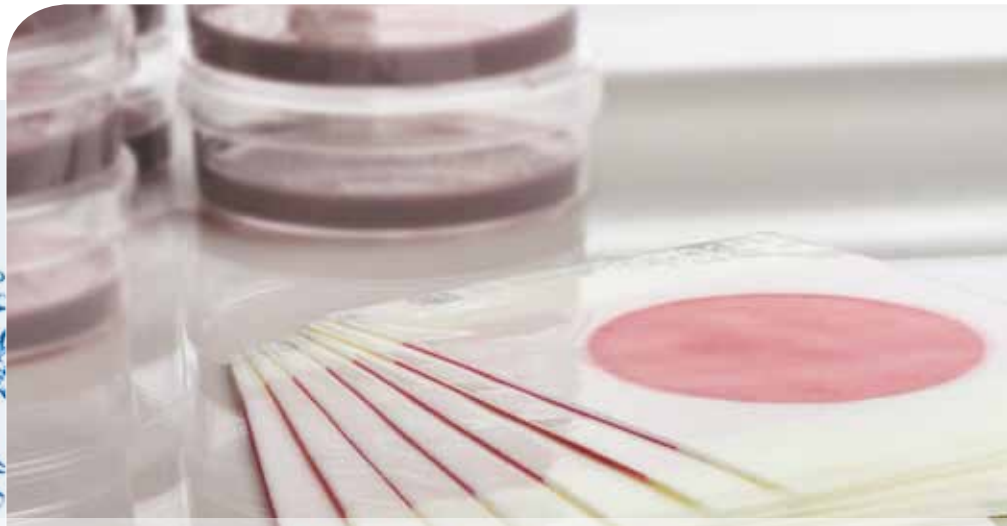
3M Food Safety

3M™ Petrifilm™ Aqua Plates for Water Testing



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

Introducing

3M™ Petrifilm™ Aqua Plates for Testing of Bottled Water

3M Petrifilm Aqua Plates are sample-ready media that replace conventional agar, petri dishes, media pads and disposable filter funnels used in the microbial testing of bottled 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
- Yeast & Mold Count

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.

Greater consistency

Compared to the variability associated with agar preparation, 3M's standardized formula improves consistency across technicians, shifts and plants. Each lot of 3M Petrifilm Aqua Plates goes through rigorous quality testing at our manufacturing facility, which is certified to ISO 9001. This reduces the need for lot qualifications in operations making their own agar.

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. 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

Compact, space-saving design

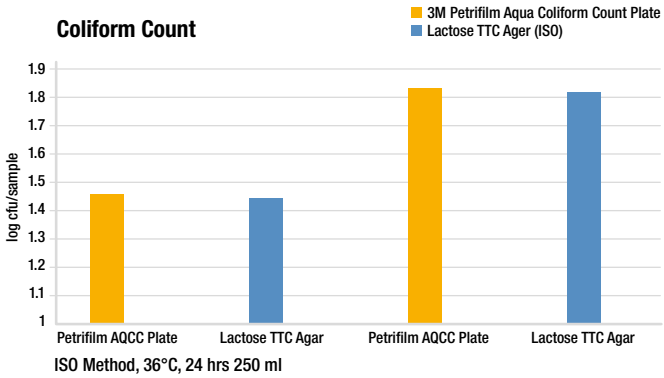
3M Petrifilm Aqua Plates take up 85% less space than agar dishes and 95% less space than disposable filter funnels. That frees up valuable space in your incubator, on your lab bench, in your refrigerator and in your waste container.

Longer shelf life

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

Performance tested

Testing of bottled water samples at an independent, third-party laboratory demonstrates that 3M Petrifilm Aqua Plates perform similar to standard methods in ISO 6222, 9308, the 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 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 and published in peer-reviewed journals worldwide on the precise, consistent results delivered by 3M Petrifilm Plates – technician-to-technician, shift-to-shift, and plant-to-plant.

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
- 18-month shelf life
- Easy to use

Can be used for:

Bottled water/beverage manufacturers and food processors, for testing bottled water*

Ordering Information

Product	Catalog Nr.	Packaging
Heterotrophic Count Plates (AQHC)	6450 6452	100 plates (2 packs w/50 plates ea.) 1.000 plates (20 packs w/50 plates ea.)
Coliform Count Plates (AQCC)	6457 6458	100 plates (2 packs w/50 plates ea.) 1.000 plates (20 packs w/50 plates ea.)
Yeast and Mold Count Plates (AQYM)	6403 6413	100 plates (2 packs w/50 plates ea.) 1.000 plates (20 packs w/50 plates ea.)
Enterobacteriaceae Count Plates (AQEB)	6418 6423	100 plates (2 packs w/25 plates ea.) 1.000 plates (20 packs w/25 plates ea.)

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*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.