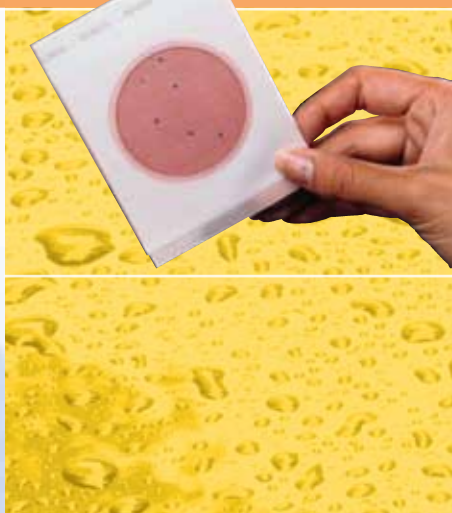


## 3M Food Safety

3M™ Petrifilm™ Plates & 3M™ Petrifilm™ Plate Reader



Technician Productivity  
**Maximized**



# 3M™ Petrifilm™ Plates... Take a closer look.



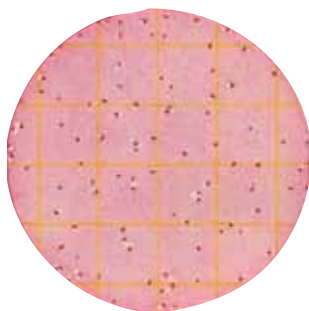
**Petrifilm Aerobic  
Count Plate**

- Enumeration of Aerobic Total Flora.
- Reading facilitated by an indicator which colours colonies red.



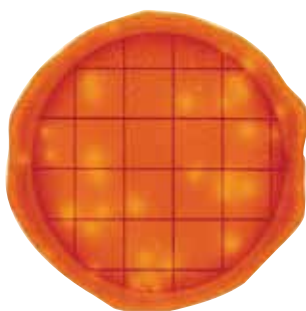
**Petrifilm Enterobacteriaceae  
Count Plate**

- Enumeration of *Enterobacteriaceae*.
- Production of acid by colonies, highlighted through a pH indicator which turns yellow.
- Upper film traps the gas produced by glucose fermentation.



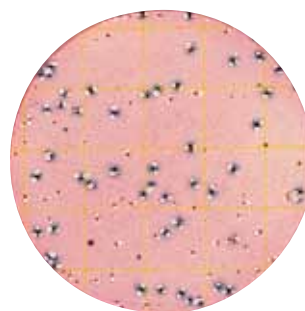
**Petrifilm Coliform  
Count Plate**

- Enumeration of coliforms (total or thermotolerant).
- Reading facilitated by an indicator which colours colonies red.
- Upper film traps the gas produced by lactose fermentation.



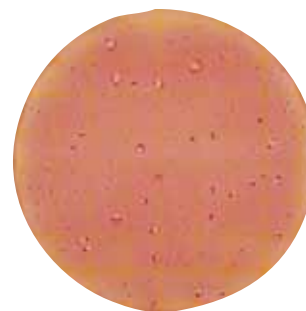
**Petrifilm Rapid Coliform  
Count Plate**

- Rapid enumeration of coliforms.
- Very sensitive pH indicator reveals production of acid by growing colonies.
- Growth acceleration reduces the response time.



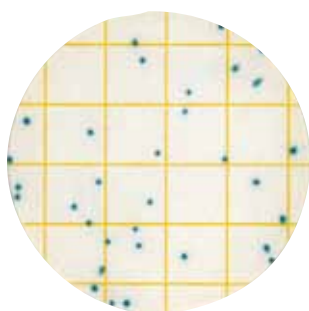
**Petrifilm *E. coli* /Coliform  
Count Plate**

- Two tests in one: enumeration of *Escherichia coli* and coliforms.
- Contains a  $\beta$ -glucuronidase indicator for detection of *E. coli*.
- Results in 24 to 48 hours.



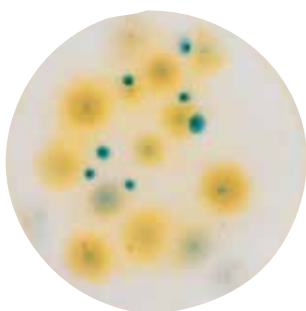
**Petrifilm High-Sensitivity  
Coliform Count Plate**

- Enumeration of small numbers of coliforms (less than 1 or 2 per gram).
- Inoculation of 5ml of sample or dilution of it.
- Reading advantages (colour and gas) identical to those for Petrifilm Coliform count plates.



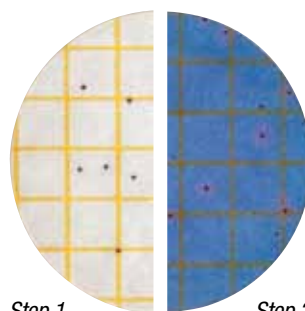
**Petrifilm Select *E. coli*  
Count Plate**

- Specific test for *E. coli*, only *E. coli* colonies are visible.
- Contains a  $\beta$ -glucuronidase indicator.
- Results in 24 hours.



**Petrifilm Yeast and Mold  
Count Plate**

- Enumeration of yeast and mould population.
- Requires no addition of antibiotics.

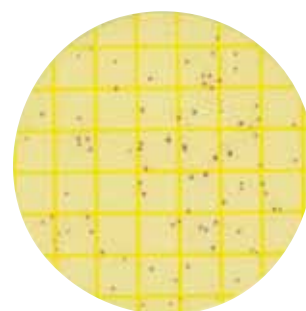


Step 1

Step 2

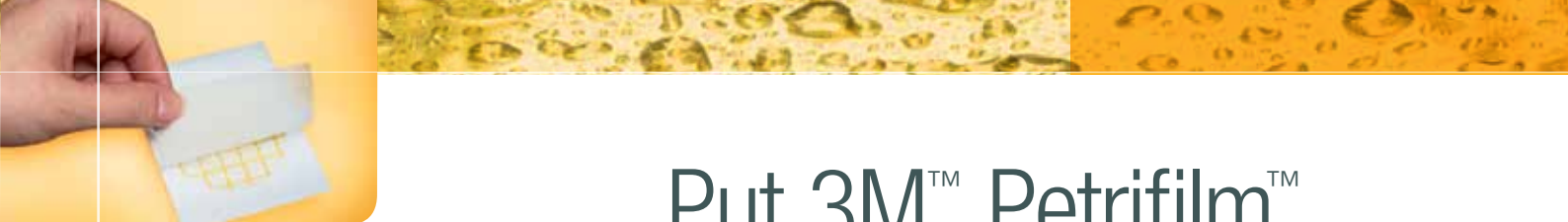
**Petrifilm Staph Express  
Count System**

- Enumeration of *Staphylococcus aureus*.
- One or two step analysis (Dnase reaction for the second step).
- Results in 24 to 27 hours.



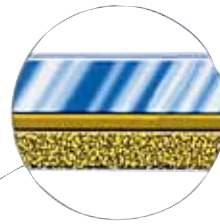
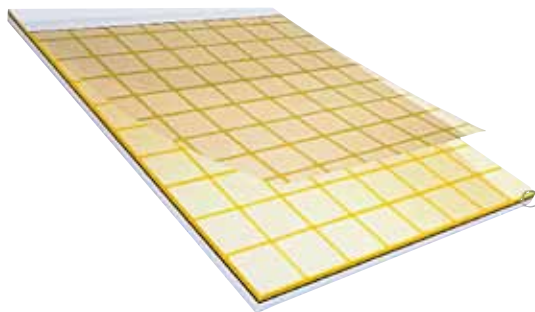
**Petrifilm Environmental  
Listeria Plate**

- Detection of *Listeria* in environmental samples.
- Provides Quantitative, Semi-Quantitative and Qualitative results in 26-30 hours.
- No enrichment required.



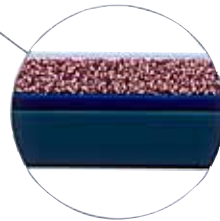
# Put 3M™ Petrifilm™ Plate technology to work for you.

## 3M Petrifilm™ Count Plates: Coating technology



### 1. Top Film

Plastic Film coated with adhesive, indicator and cold water soluble gel.



### 2. Bottom Film

Plastic coated paper printed with a grid, adhesive standard methods nutrients, cold water soluble gel.

## Protecting companies and brands

While maximizing productivity is essential in today's business world, providing the highest quality product is paramount. You can trust Petrifilm Plates to reduce variability, from technician to technician, shift to shift, plant to plant.

More than 200 evaluations have been completed from validating agencies ( AFNOR, NORDVAL, AOAC International, AOAC RI, EMMAS ) and peer-review publications worldwide on the precise, consistent results delivered by Petrifilm Plates.<sup>1</sup> These are just some of the reasons Petrifilm Plates are in use by over 3000 companies in Europe.<sup>1</sup>

## Three Simple Steps to improve analysis with 3M™ Petrifilm™ Plates



### 1. Inoculate

Petrifilm™ Plates are easily inoculated. No media preparation is required.



### 2. Incubate

Petrifilm™ Plates can be incubated in a smaller incubator.



### 3. Interpret

Simply count colonies. Indicator dyes facilitate interpretation.

# 3M™ Petrifilm™ Plates Benefits



## Better working conditions for technicians

- Sample ready for immediate handling
- Eliminate media preparation time, routine tests done in half the time.
- Reduce time pressure, improve productivity
- Reduce burden on day-to-day laboratory logistics
- Allow more flexibility to organize laboratory activity
- Reduce control requirements for accredited laboratory (a quality certificate is provided with each box)
- Standardized manufacturing process delivers consistent plates.

## Compact Film Size

- Save space in the laboratory, improve working conditions
- Less storage capacity required, better inventory management

## The Quality Standard from 3M

- Guaranteed manufacture from 3M
- Manufacturing site certified to ISO 9002 standard
- Strict quality control procedure helps reduce media variation





# 3M™ Petrifilm™ Plate Reader... consistently accurate counts in just 4 seconds.

## Automated plate reading is fast and simple

This compact machine fits efficiently into the lab environment and saves critical time by automating your lab's labor intensive plate reading. Technicians are free to tackle the other jobs that demand their attention, confident that the Petrifilm Plate Reader will handle its tasks with excellent performance, time after time. It processes the five most common plate tests (Aerobic Count, Coliform Count, E. coli/Coliform Count, E. coli Count and Enterobacteriaceae Count) to handle the majority of your plate reading needs. The Petrifilm Plate Reader:

- Reduces the chance for human error
- Decreases variations (enhances repeatability and reproducibility)
- Allows data management for audit purposes or FDA 21CFR Part11 compliance
- Can store actual color images of plates for further interpretation



Results and a color image of the plate appear on your computer screen, simplifying colony verification.



Log file data is automatically stored and easily transferred into a text file, making exporting of essential information easy.



## 3M™ Petrifilm™ Plate Reader

3M ID	Description	Packaging	Item No.	Plate Qty
FH-5000-0164-6	Petrifilm Plate Reader	1	6499	1
78-8131-2876-2	Petrifilm Plate Reader Stand	1	6499S	1

## 3M™ Petrifilm™

3M ID	Description	Packaging	Item No.	Plate Qty
70200572157	Petrifilm Aerobic count Plate	20 x 50	6406	1000
70200572124		2 x 50	6400	100
70200572165	Petrifilm Coliform count Plate	40 x 25	6416	1000
70200572140		2 x 25	6410	50
70200590142	Petrifilm E. coli count Plate	20 x 25	6414	500
70200572132		2 x 25	6404	50
70200718859	Petrifilm Select E. coli count Plate	20 x 25	6435	500
70200718859		2 x 25	6434	50
70200590159	Petrifilm Yeast/Mould count Plate	20 x 50	6417	1000
70200561242		2 x 50	6407	100
70200703885	Petrifilm High-Sensitivity Coliform Plate	20 x 25	6415	500
70200703877		2 x 25	6405	50
70200647538	Petrifilm High-Sensitivity Coliform Spreader	2	6481	2
70200670936	Petrifilm Enterobacteriaceae count Plate	40 x 25	6421	1000
70200670928		2 x 25	6420	50
70200659525	Petrifilm Rapid Coliform count Plate	20 x 25	6412	500
70200659535		2 x 25	6402	50
70200734534	Petrifilm Staph Express count Plate	2 x 25	6490	50
70200734542		20 x 25	6491	500
70200734559	Petrifilm Staph Express Disk	20	6492	20
70200734567		5 x 20	6493	100
70200719063	Petrifilm Staph Express Spreader	2	6425	2
70200742990	Petrifilm Environmental Listeria Plate	2 x 25	6447	50
70200743006		8 x 25	6448	200
70200743022	Petrifilm Environmental Listeria Spreader	2	6498	2



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