



Petrifilm™

Proven reliability. Recognized globally.

International Recognition



AOAC® Performance Tested MethodSM

- Method has been evaluated in an independent laboratory to verify performance claims and applicability
- Method is reviewed yearly to verify no changes have been made to the method since the last certification or original validation

Environmental *Listeria* Plates
Certificate #030601

Aqua Coliform Count Plates
Certificate #091101

Salmonella Express System
Certificate #061301

Rapid Yeast and Mold Count Plates
Certificate #121301

Rapid Aerobic Count Plates
Certificate #121403

Lactic Acid Bacteria Count Plates
Certificate #041701

Rapid *E. coli*/Coliform Count Plates
Certificate #051801

Proof that the method performed according to its claim.

AOAC® Official Method of AnalysisSM

- Method has been fully validated through collaborative study
- Method is reviewed 2 years post validation to verify it has been performing well in the industry
- Government agencies worldwide prefer the use of collaboratively studied methods for "official" testing
- Per US Federal Code of Regulations 21CFR2.19, AOAC OMA methods may be accepted for use by US FDA

Aerobic Count, Coliform Count Plates
AOAC 986.33, AOAC 989.10

High-Sensitivity Coliform Count Plates
AOAC 996.02

Aerobic Count Plates
AOAC 990.12

Coliform Count, *E. coli*/Coliform Count Plates
AOAC 991.14

Yeast and Mold Count Plates
AOAC 997.02

Rapid Coliform Count Plates
AOAC 2000.15

***E. coli*/Coliform Count Plates**
AOAC 998.08

Enterobacteriaceae Count Plates
AOAC 2003.01

Salmonella Express System
AOAC 2014.01

Staph Express System
AOAC 2003.07, AOAC 2003.08, AOAC 2003.11

Rapid Yeast and Mold Count Plates
AOAC 2014.05

Rapid Aerobic Count Plates
AOAC 2015.13

Proof that the validated method is reproducible in a variety of laboratory settings.

	AOAC® PTM	AOAC® OMA
Repeatability and Reproducibility		●
Specificity	●	●
Sensitivity	●	●
Detection Limit	●	●
Inclusivity / Exclusivity	●	●
Accuracy	●	●
Quantification Limit*	●	●
Linearity*	●	●

1 or 2 validated matrices tested in collaborative study

- Quantitative:
n = >8 (data sets) laboratories
- Qualitative:
n = >10 (data sets) laboratories

Presentation to AOAC Expert Review Panel

* Quantitative only

Learn more at
3M.com/PetrifilmValidations



More than
105
global
validations

United States Industry Recognition

APHA (American Public Health Association)

Foods	Aerobic Count Plates Coliform Count Plates <i>E. coli</i> /Coliform Count Plates <i>Enterobacteriaceae</i> Count Plates High-Sensitivity Coliform Count Plates Rapid Coliform Count Plates	<i>Compendium of Methods for the Microbiological Examination of Foods</i> , 5th Edition, 2001
Dairy	Aerobic Count Plates Coliform Count Plates <i>Enterobacteriaceae</i> Count Plates <i>E. coli</i> /Coliform Count Plates High-Sensitivity Coliform Count Plates Rapid Coliform Count Plates Yeast and Mold Count Plates	<i>Standard Methods for the Examination of Dairy Products</i> , 17th Edition, 2004

US FDA (United States Food and Drug Administration) Agricultural Marketing Service

Laboratory Methods and Procedures	Aerobic Count Plates	Dairy Grading Branch DA Instruction. 2400 Forms – NCIMS
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USDA FSIS (Food Safety and Inspection Service)

Examination of fresh, refrigerated and frozen prepared meat, poultry and pasteurized egg products	Aerobic Count Plates <i>E. coli</i> /Coliform Count Plates <i>Enterobacteriaceae</i> Count Plates	<i>Microbiology Laboratory Guidebook</i> , Chapter 3.01, Quantitative Analysis of Bacteria in Foods as Sanitary Indicators. January 20, 2011
Beef, swine, sheep, goats, poultry, horses, mules and other equine carcass sampling	<i>E. coli</i> /Coliform Count Plates	Per US Federal Code of Regulations 9CFR310.25, AOAC OMA methods may be accepted for use by US FDA
Poultry, ducks, geese and guinea carcass sampling	<i>E. coli</i> /Coliform Count Plates	Per US Federal Code of Regulations 9CFR381.94, AOAC OMA methods may be accepted for use by US FDA

US FDA (United States Food and Drug Administration)

Foods	Aerobic Count Plates Coliform Count Plates <i>E. coli</i> /Coliform Count Plates	Per US Federal Code of Regulations 21CFR2.19, AOAC OMA methods may be accepted for use by US FDA
Milk	Aerobic Count Plates Coliform Count Plates High-Sensitivity Coliform Count Plates Rapid Aerobic Count Plates 3M™ Petrifilm™ Plate Reader	<i>FDA Evaluation of Milk Laboratories</i> , 2017 Revision: https://www.fda.gov/media/115265/download

For a complete list of global 3M Petrifilm Plate validations go to 3M.com/PetrifilmValidations

3M™ Petrifilm™
Plates are used
in more than



60
countries

NF VALIDATION granted by AFNOR Certification

Methods Certified NF VALIDATION, have been validated following the protocol EN ISO 16140-2 which includes a method comparison and a collaborative study carried out by a vetted, expert laboratory. NF VALIDATION is renewed every four years, and includes an audit of the manufacturer's quality management system, providing further confidence that the method remains consistent year after year.

Aerobic Count Plates

3M 01/01-09/89²

Rapid Aerobic Count Plates

3M 01/17-11/16²

Coliform Count Plates

01/02-09/89 A²; 3M 01/02-09/89 B²;

3M 01/02-09/89 C²

Select *E. coli* Count Plates

3M 01/08-06/01²

Rapid Coliform Count Plates (14 hour result)

3M 01/05-03/97 A²

Rapid Coliform Count Plates (24 hour result)

3M 01/05-03/97 B²

Enterobacteriaceae Count Plates

3M 01/06-09/97²

High-Sensitivity Coliform Count Plates

3M 01/07-03/99²

Staph Express System

3M 01/09-04/03 A²; 3M 01/09-04/03 B²

Rapid Yeast and Mold Count Plates

3M 01/13-07/14²

Lactic Acid Bacteria Count Plates

3M 01/19-11/17²

² For more information about the end of validity please refer to NF VALIDATION Certificate available on <http://nf-validation.afnor.org/en>



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