

3M™ Petrifilm™ Plate Certificates, Recognitions and Validations

3M Microbiology is certified to ISO-9001 for design and manufacturing

International Recognition

AFNOR

All foods	Aerobic Count Plates	AFNOR Certificate Number 3M 01/1-09/89 (as compared to ISO 4833 method)
All foods (except raw shellfish)	Coliform Count Plates 24 hour total coliform result	AFNOR Certificate Number 3M 01/2-09/89A (as compared to ISO 4832 VRBL method)
All foods (except raw shellfish)	Coliform Count Plates 24 hour total coliform result	AFNOR Certificate Number 3M 01/2-09/89B (as compared to ISO 4831 MPN method)
All foods	Coliform Count Plates 24 hour thermotolerant coliform result	AFNOR Certificate Number 3M 01/2-09/89C (as compared to V08-060 VRBL at 44°C method)
All foods	Select <i>E. coli</i> Count Plates	AFNOR Certificate Number 3M 01/8-06/01 (as compared to ISO 16649-2 <i>E. coli</i> method)
All foods	Rapid Coliform Count Plates 14 hour result (Incubate at 30°C for processed pork products)	AFNOR Certificate Number 3M 01/5-03/97A (as compared to ISO 4832 VRBL 30°C method)
All foods	Rapid Coliform Count Plates 24 hour result (Incubate at 30°C for processed pork products)	AFNOR Certificate Number 3M 01/5-03/97B (as compared to ISO 4832 VRBL 30°C method)
All foods (except processed pork products)	Rapid Coliform Count Plates 24 hour result (Incubate at 30°C for seafood products)	AFNOR Certificate Number 3M 01/5-03/97C (as compared to ISO 4831 MPN method)
All foods	Enterobacteriaceae Count Plates	AFNOR Certificate Number 3M 01/6-09/97 (as compared to ISO 21528 part 2 VRBG method)
All foods	High-Sensitivity Coliform Count Plates	AFNOR Certificate Number 3M 01/7-03/99 (as compared to ISO 4831 MPN method)
All foods	Staph Express Count System	AFNOR Certificate Number 3M 01/9-04/03 (as compared to EN ISO 6888-1 method)

AOAC® INTERNATIONAL Official Method of AnalysisSM

Raw and pasteurized milk	Aerobic Count, Coliform Count Plates	Method 986.33
Dairy products	Aerobic Count, Coliform Count Plates	Method 989.10
	High-Sensitivity Coliform Count Plates	Method 996.02
Foods	Aerobic Count Plates	Method 990.12
	Coliform Count, <i>E. coli</i> /Coliform Count Plates	Method 991.14
	Yeast and Mold Count Plates	Method 997.02
	Rapid Coliform Count Plates	Method 2000.15
Poultry, meats and seafood	<i>E. coli</i> /Coliform Count Plates	Method 998.08
Selected foods	Rapid <i>S. aureus</i> Count System	Method 2001.05
	Enterobacteriaceae Count Plates	Method 2003.01
Selected processed and prepared foods	Staph Express Count System	Method 2003.07
Selected dairy foods	Staph Express Count System	Method 2003.08
Selected poultry, meats and seafood	Staph Express Count System	Method 2003.11

AOAC® INTERNATIONAL Research InstituteSM

Environmental sampling	Environmental Listeria Plates	Certification No. 030601
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INTERNATIONAL DAIRY FEDERATION (FIL/IDF)

Dairy products		Bulletins 285/1993 and 350/2000
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Recognition by Country

Australia

Department of Agriculture and Fisheries – Australian Quarantine and Inspection Services (AQIS)		
ESAM (Carcass Sampling)	Aerobic Count Plates	Section 4
Meat and Meat Products Methods	E. coli/Coliform Count Plate	Microbiological Methods for Meat Products for Export
Victorian Dairy Industry Authority (VDIA)		
Milk and dairy products	Aerobic Count Plates	Certificate Number 9503
	Coliform Count Plates	Certificate Number 9504

Brazil

Ministry of Agriculture		
Carcass sampling	E. coli/Coliform Count Plates	IN 40, 2005

Canada

Health Protection Branch, Compendium of Analytical Methods		
Laboratory Procedures: Environmental Sampling	Aerobic Count, Coliform Count, E. coli/Coliform Count, and Yeast and Mold Count Plates	Method MFLP-41A
	High-Sensitivity Coliform Count Plates	Method MFLP-41B
	Environmental Listeria Plates	Method MFLP-11
Dairy Products	High-Sensitivity Coliform Count Plates	Method MFLP-85
Food products and environmental sampling	Staph Express Count System	Method MFLP-21
Health Protection Branch Methods:		
Food products and ingredients	Aerobic Count Plates	Method MFHPB-33
	Coliform Count Plates	Method MFHPB-35
	E. coli/Coliform Count Plates	Method MFHPB-34
	Yeast and Mold Count Plates	Method MFHPB-32

Chile

SAG (Chile Department of Agriculture)		
Carcass sampling	E. coli/Coliform Count Plates	January 2004

Columbia

INVIMA		
	Aerobic Count Plates	Certificate No. 2006021775
	Coliform Count Plates	Certificate No. 2006021761
	E. coli/Coliform Count Plates	Certificate No. 2006021644
	Enterobacteriaceae Count Plates	Certificate No. 2006021776
	Staph Express Count System	Certificate No. 2006021784
	Yeast and Mold Count Plates	Certificate No. 2006021773

El Salvador

Ministry of Public Health & Social Attendance Central Control Laboratory of Foods and Waters		
Use in foods	Aerobic Count Plates, Coliform Count Plates, E. coli/Coliform Count Plates, Enterobacteriaceae Count Plates, Staph Express Count Plate System, Yeast & Mold Count Plates	July 2006

France

AFNOR (see International Validations)		
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Recognition by Country *(cont.)*

Germany

DIN (Deutsches Institut für Normung) Fachbericht 81 Petrifilm Technik		
Foods	Aerobic Count, Coliform Count, E. coli/Coliform Count, and Enterobacteriaceae Count Plates	2000 Edition

Japan

Food Hygiene Manual		
Foods	Aerobic Count, Coliform Count, E. coli/Coliform Count, Rapid Coliform Count Plates; Staph Express Count Systems	July 2004
Ministry of Health, Labour and Welfare		
Carcass (cattle and swine) swab	E.coli/Coliform Count Plates	Notification No. 25

Korea

KCFR (Korea Code of Federal Regulatory)		KFDA2004
All foods	Aerobic Count Plates	Method 7.8.2.2
	Coliform Count Plates	Method 7.8.5.4
	E. coli/Coliform Count Plates	Method 7.8.6.3

Mexico

Milk and dairy products	Aerobic Count Plates, Coliform Count Plates, E. coli/Coliform Count Plates, Staph Express Count Systems, Yeast and Mold Count Plates	NMX-F-717-COFOCA LEC-2006
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New Zealand

AgResearch – Mirinz Meat Industry Microbiological Methods, Edition Four, March 2005		
Meat Products	Aerobic Count Plates	Chapter 6 – Section 6.8
	Staph Express Count System (for use with selected foods)	Chapter 7 – Section 7.8.5
	Enterobacteriaceae Count Plates	Chapter 8 – Section 8.2.5
	E. coli/Coliform Count Plates	Chapter 8 – Section 8.4.5
New Zealand Food Safety Authority		
Dairy produce and products	Aerobic Count Plates, Coliform Count Plates, E. coli/Coliform Count Plates, Staph Express Count System, Yeast and Mold Count Plates	Approved Methods Lists
National Microbiological Database (farmed animals)	Aerobic Count Plates	Chapter 4 – 4.7.3
	E. coli/Coliform Count Plates	Chapter 4 – 4.8

Nordic Countries

NordVal Validation		
All foods	Aerobic Count Plate	Ref. No. 2005-30-5408-00043
	Coliform Count Plate	Ref. No. 2005-30-5408-00044
	E. coli/Coliform Count Plate	Ref. No. 2005-30-5408-00045
	Yeast and Mold Count Plate	Ref. No. 2005-30-5408-00046
	Staph Express Count System	Ref. No. 2005-30-5408-00047
	Enterobacteriaceae Count Plate	Ref. No. 2006-30-5408-00057
	Select E. coli Count Plate	Ref. No. 2006-30-5408-00058

Poland

PKN (Polish Normalisation Committee)		
Raw milk and dairy products	Petrifilm Plates may be used as a method for: <ul style="list-style-type: none"> • Enumeration of total aerobic microorganisms • Enumeration of coliform microorganisms • Enumeration of Escherichia coli microorganisms • Enumeration of yeast and mold 	Commission No. 35 July 1, 1999

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Recognition by Country *(cont.)*

Republic of South Africa

Milk and Dairy Products	Aerobic Count, Coliform and E. coli/Coliform Count Plates	Government Gazette, No. R. 1555.21 of 21 November 1997
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United Kingdom

Campden Food and Drink Research Association and Leatherhead Food Research Association study		
EMMAS assessment 3M Petrifilm E. coli/Coliform Count Plate – 1998		
EMMAS assessment 3M Petrifilm Enterobacteriaceae Count Plate – 2003		
CMMAS assessment 3M Petrifilm Staph Express Count system – 2006		
CMMAS assessment 3M Petrifilm Yeast and Mould Count Plate – 2006		

United States

AOAC INTERNATIONAL (see International Recognition) APHA (American Public Health Association)		
Foods	Aerobic Count, Coliform Count, E. coli/Coliform Count, Enterobacteriaceae Count, High-Sensitivity Coliform Count, Lactic Acid Bacteria Method, Rapid Coliform Count, Yeast and Mold Count Plate	Compendium of Methods for the Microbiological Examination of Foods, 4th Edition 2001
Dairy	Aerobic Count, Coliform Count, Enterobacteriaceae Count, E. coli/Coliform Count, High-Sensitivity Coliform Count, Rapid Coliform Count, Yeast and Mold Count Plate	Standard Methods for the Examination of Dairy Products, 17th Edition 2004
USDA (United States Department of Agriculture) Agricultural Marketing Service		
Laboratory Methods and Procedures	Aerobic Count Plates	Dairy Grading Branch DA Instruction 918-RL
USDA FSIS (Food Safety and Inspection Service)		
Beef, swine, sheep, goats, horses, mules and other equine carcass sampling	E. coli/Coliform Count Plates	(Code of Federal Regulations) 9 CFR Part 310.25
Poultry, ducks, geese and guinea carcass sampling	E. coli/Coliform Count Plates	(Code of Federal Regulations) 9 CFR Part 381.94
Examination of fresh, refrigerated and frozen prepared meat, poultry and pasteurized egg products	Aerobic Count, E. coli/Coliform Count Plates	Microbiology Laboratory Guidebook, 3rd Edition 1998, Chapter 3
US FDA (United States Food and Drug Administration)		
All foods	Aerobic Count, Coliform Count and E. coli/Coliform Count Plates	FDA/BAM (Bacteriological Analytical Manual), 8th Edition Rev. A/1988, Chapter 4, Section VI and Appendix 1, table 4
Milk	Aerobic Count, Coliform Count, High-Sensitivity Coliform Count Plates	FDA Milk Laboratory Evaluation Form 2400a, Revision 3/01

Venezuela

Foods	E. coli/Coliform Count Plates	Covenin 3276-97
Dairy products and foods	Aerobic Count Plates	Covenin 3338-97
Dairy products	High-Sensitivity Coliform Count Plates	Covenin 3339-97

Method approval by private or public organizations (e.g., AOAC INTERNATIONAL or AFNOR) does not guarantee the performance of Petrifilm Plates for any particular food product or process.

To order Petrifilm plates in the U.S., call **1-800-328-1671**.



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