

Main Approvals, Certifications and other Recognition

3M Microbiology is certified to ISO (International Standards Organization) 9001

AFNOR - France

| | | |
|--|---|--|
| ■ All foods: | Aerobic Count plates | AFNOR Certificate Number 3M 01/1-09/89 |
| ■ All foods (raw shellfish excepted): | Coliform Count plates 24 hours total coliforms result (as compared to VRBL) | AFNOR Certificate Number 3M 01/2-09/89A |
| ■ All foods (raw shellfish excepted): | Coliform Count plates 24 hours total coliforms result (as compared to MPN) | AFNOR Certificate Number 3M 01/2-09/89B |
| ■ All foods: | Coliform Count plates 24 hours thermotolerant coliforms result (as compared to VRBL 44.0°C) | AFNOR Certificate Number 3M 01/2-09/89C |
| ■ All foods: | Select E. coli Count plates <i>E. coli</i> numeration | AFNOR Certificate Number 3M 01/8-06/01 |
| ■ All foods: | Rapid coliform Count plates 14 hours result (as compared to VRBL) | AFNOR Certificate Number 3M 01/5-03/97A |
| ■ All foods: | Rapid coliform Count plates 24 hours result (as compared to VRBL) | AFNOR Certificate Number 3M 01/5-03/97B |
| ■ All foods (processed pork products excepted): | Rapid coliform Count plates 24 hours result (as compared to MPN) | AFNOR Certificate Number 3M 01/5-03/97C |
| ■ All foods: | Enterobacteriaceae Count plates | AFNOR Certificate Number 3M 01/6-09/97 |
| ■ All foods: | High-Sensitivity Coliform Count plates | AFNOR Certificate Number 3M 01/7-03/99 |
| ■ All foods: | Staph Express Count system | AFNOR Certificate Number 3M 01/9-04/03 |

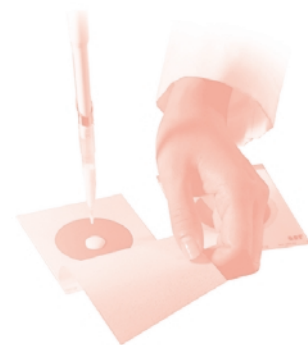
American Public Health Association - United States

■ Standard Methods for the Examination of Dairy Products

AOAC® Official Methods of AnalysisSM

| | | |
|--|---|--------------------------------|
| ■ Raw and pasteurized milk: | Aerobic Count, Coliform Count plates | Method 986.33 |
| ■ All dairy products: | Aerobic Count, Coliform Count plates | Method 989.10 |
| ■ All dairy products: | High Sensitivity Coliform Count plates | Method 996.02 |
| ■ All foods: | Aerobic Count plates Coliform Count, E.coli and Coliform Count plates | Method 990.12 Method 991.14 |
| ■ Poultry, meats and seafood: | E.coli and Coliform Count plates | Method 998.08 |
| ■ All foods : | Rapid Coliform Count plates | Method 2000.15 |
| ■ All foods: | Yeast and Mould Count plates | Method 997.02 |
| ■ Selected foods | Enterobacteriaceae Count plates | Method 2003.01 |
| ■ Selected processed and prepared foods | Staph Express Count plates | Method 2003.07 |
| ■ Selected dairy foods | Staph Express Count plates | Method 2003.08 |
| ■ Selected types of meat, seafood and poultry | Staph Express Count plates | Method 2003.11 |

| Date | Version |
|--------------|---------|
| October 2003 | 6 |



Department of Agriculture - Belgium

- Milk: Aerobic Count plates

Grade A Pasteurized Milk Ordinance - United States

- All dairy, raw and pasteurized milk: Aerobic Count, Coliform Count, High Sensitivity Coliform Count plates

- Use with Plate Loop

Health Protection Branch, Compendium of Analytical Methods - Canada

Laboratory Procedures:

- Environmental Sampling Method MFPL - 41A

- All dairy: High Sensitivity Coliform Count plates Method MFPL - 85

Health Protection Branch Methods:

- All foods: Aerobic Count plates Method MFHPB - 33

- All foods: Coliform Count plates Method MFHPB - 35

- All foods: E.coli and Coliform Count plates Method MFHPB - 34

- All foods: Yeast and Mould Count plates Method MFHPB - 32

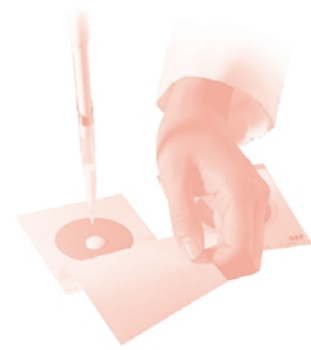
Ministry of Agriculture - Romania

- All foods: Aerobic Count plate Registration N° 143760
- Yeast and Mould Count plate Registration N° 143760/1
- E.coli/Coliform Count and select E.coli Count plates Registration N° 143760/2
- Coliform, Rapid Coliform and High Sensitivity Coliform Count plates Registration N° 143760/3

National Milk Quality Improvement Association - Japan

- Raw milk: Aerobic Count, Coliform Count, E.coli and Coliform Count, Yeast and Mould Count plates

| Date | Version |
|--------------|---------|
| October 2003 | 6 |



New South Wales Dairy Test Manual - Australia

- Official Alternative to Standard Plate Count and Coliform Counts

NordVal validation

| | | |
|--------------|---------------------------------|-----------------------------------|
| ■ All foods: | Enterobacteriaceae Count plates | Certificate n° 2002-20-5408-00005 |
| | Aerobic Count plates | Certificate n° 2003-20-5408-00010 |
| | Coliform Count plates | Certificate n° 2003-20-5408-00011 |
| | E. coli/Coliform Count plates | Certificate n° 2003-20-5408-00012 |
| | Yeast and Mold Count plates | Certificate n° 2003-20-5408-00013 |
| | Staph Express Count system | Certificate n° 2003-20-5408-00019 |

USDA Agricultural Marketing Service Dairy Grading Branch

- Aerobic Count and Coliform Count plate approval for all dairy

Victorian Dairy Industry Authority (VDIA) - Australia

| | |
|---|-------------------------|
| ■ Aerobic plate approval for all dairy | Certificate Number 9503 |
| ■ Coliform Count plate approval for all dairy | Certificate Number 9504 |

Additional references and evaluations:

1. FDA (Food and Drug Administration)/ BAM (Bacteriological Analytical Manual), 8th.ed., Appendix 1 - United States
2. Campden Food and Drink Research Association and Leatherhead Food Research Association study - EMMAS assessment 3M Petrifilm E.coli Count plate - 1998 - United Kingdom
EMMAS assessment 3M Petrifilm Enterobacteriaceae - 2003 - United Kingdom
3. Compendium of Methods for the Microbiological Examination of Foods - United States
4. U.S. Code of Federal Regulations 9 CFR Part 310.25 page 128-129 - United States
5. USDA (United States Department of Agriculture) and FSIS (Food Safety Inspection Service), « Guidelines for *E.coli* testing for process control verification in cattle and swine slaughter establishments », p 12, July 1997 - United States « Guidelines for *E.coli* testing for process control verification in poultry slaughter establishments », p 12, July 1997 - United States
6. USDA (United States Department of Agriculture) and FSIS (Food Safety Inspection Service), Microbiology Laboratory Guidebook 3rd Edition, 1998, Chapter 3 - United States
7. DIN (Deutsches Institut für Normung) Fachbericht 81 - Germany
8. PKN (Polish Normalisation Committee) - Poland

| Date | Version |
|--------------|---------|
| October 2003 | 6 |