



Petrifilm™ Aerobic Count Plates for Lactic Acid Bacteria



1

Processors of high acid/low pH or vacuum-packed products, such as salad dressings, tomato-based products and processed meats, need to continually monitor for the presence of lactic acid bacteria. Lactic acid bacteria are spoilage organisms known to shorten product shelf life and degrade product quality.

Following a simple procedure, you'll find 3M™ Petrifilm™ Aerobic Count Plates can be an efficient, cost-effective method for detecting lactic acid bacteria in no more than 48 hours.

Because of its unique construction, Petrifilm Aerobic Count plates can differentiate important gas-producing organisms (heterofermenters) from non-gas-producing organisms (homofermenters). In fact, Petrifilm plates are more sensitive than the MRS tube method at detecting these destructive gas-producing organisms.

By using labor-saving Petrifilm plates, you'll have more time to monitor critical control points more frequently. The end result is better process control and a higher quality product.

Lactic Acid Bacteria Detection.

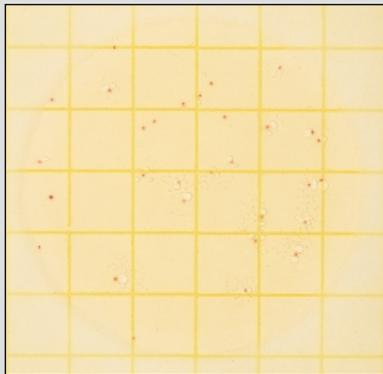
Fast, accurate testing. Only four simple steps are required.

1. Prepare sample using standard methods with MRS broth in final dilution step.
2. Inoculate and spread Petrifilm Aerobic Count plate with one mL of sample.
3. Incubate **anaerobically** at the appropriate temperature.
4. Count the colonies.

Because Petrifilm plates are consistent and easy-to-use, there's less chance for error when compared to other methods.

A built-in grid facilitates counting colonies, giving you fast, precise and consistent results.

3M offers the 3M™ Redigel™ MRS Test as an additional option for lactic acid bacteria testing.



Petrifilm Aerobic Count plates, in combination with MRS broth and anaerobic incubation, enhance the growth of homo- and hetero-fermentative lactic acid bacteria.

Lactic acid bacteria colonies are red to reddish-brown in color and may or may not be associated with gas bubbles.

3M Reliability. All Petrifilm plates are manufactured at an ISO 9002-certified site. Strict quality control procedures help reduce media variations. They are backed by 3M's commitment to quality products, customer service, and technical support. In addition, most Petrifilm plate methods have been collaboratively tested and are included in the *Official Methods of Analysis* of AOAC INTERNATIONAL.

There's a full line of Petrifilm plates to monitor conditions for quality: coliform count, rapid coliform count, high-sensitivity coliform count, aerobic count, E. coli/coliform count, yeast and mold count, Enterobacteriaceae count and rapid S. aureus count.

For detailed CAUTIONS, LIMITED WARRANTY and LIMITED REMEDIES, STORAGE AND DISPOSAL information, and INSTRUCTIONS FOR USE see Product's package insert.

Ordering Information

Product	Application	Catalog No.	Contents
Petrifilm Aerobic Count Plates (AC)	For lactic acid bacteria identification	6400 6406	100 plates 1000 plates

To order Petrifilm products in the U.S., call **1-800-328-1671**.
Latin America /Africa and Asia Pacific regions, call **651-733-7562**.



Microbiology Products

3M Center, Building 275-5W-05
St. Paul, MN 55144-1000 USA
1 800 228-3957
www.3M.com/microbiology
E-mail: microbiology@3M.com

3M Canada Inc.

Post Office Box 5757
London, Ontario N6A 4T1
Canada
1 800 364-3577

3M Europe

Laboratoires 3M Santé
Boulevard de l'Oise
F-95029 Cergy-Pontoise Cedex
France
33 1 30 31-8571



40% Pre-consumer waste paper
10% Post-consumer waste paper

Printed in U.S.A.
Copyright © 3M (IPC) 2000.
All rights reserved.
70-2009-3271-6 (90.8) DPI