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.

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

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