**3M™ Petrifilm™ Plates**

**Sample Preparation**

**Liquid Sample**

1. Add sample to dilution buffer\(^1\)
2. Adjust pH\(^2\)
3. Shake\(^3\)
4. Plate\(^5\)

**Viscous or Solid Sample**

1. Weigh sample\(^1\)
2. Adjust pH\(^2\)
3. Add dilution buffer\(^1\)
4. Settle\(^4\)
5. Plate\(^5\)

**References**

1. Petrifilm Plate Guide to Dilution Preparation
2. Adjust pH so that the final pH is between pH 6.6 - 7.2. Note: Once a protocol has been developed, pH adjustment can become routine at this step.
3. Shake. Milk Guidelines: Make 25 complete up and down (or back and forth) movements of about 30cm in 7 seconds.
4. Settle. Some samples may need a few minutes to settle before inoculation. Settling makes pipetting easier and minimizes the number of food particles on the plate.
5. Petrifilm Plate package insert.

**NOTE:** Use of a stomacher bag with filter makes any "settle" step unnecessary.
Additional Comments

• Questions? U.S., call 1-800-328-6553.
• To order Petrifilm Plates in the U.S., call 1-800-328-1671.
• 3M Food Safety offers a full line of products to accomplish a variety of your microbial testing needs. For more product information, visit us at www.3M.com/foodsafety.
• For all other regions, please see below.