Petrifilm™

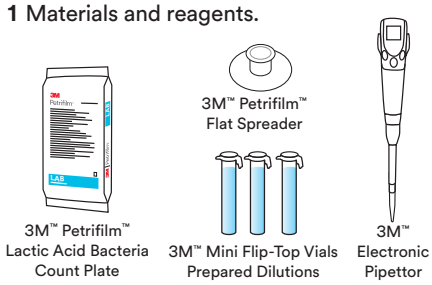
Less time. Less consumables. Less variability. More peace of mind.

Protocol comparison to agar method

3M™ Petrifilm™ Lactic Acid Bacteria Count Plate method

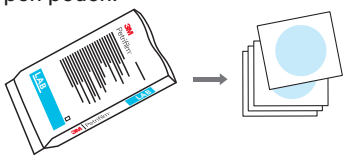
2 days

1 Materials and reagents.

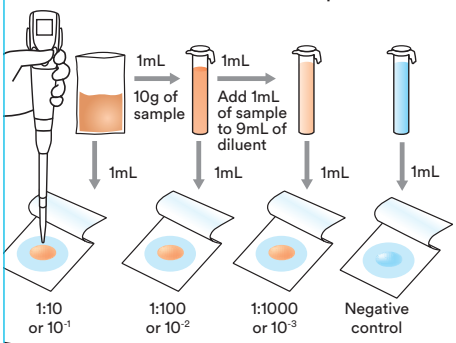


2 days to result

2 Open pouch.



3 Prepare sample and dilute. Plate 1mL onto the Petrifilm plate.



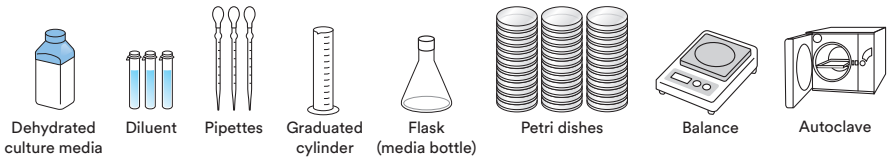
Place the Petrifilm flat spreader on the center of the plate. Press gently on the center to distribute the sample evenly. Gel forms within 1 minute.

4 Incubate the plates at 28–37°C for 48±3 hours.

5 Petrifilm Lactic Acid Bacteria count plates can be counted with a standard colony counter or other illuminated magnifier. Refer to the Interpretation Guide when reading results. See product instructions for validated methods.

Traditional method

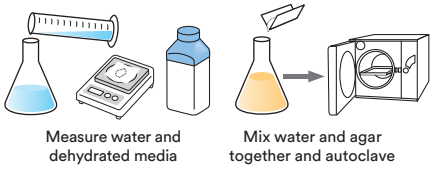
3 days



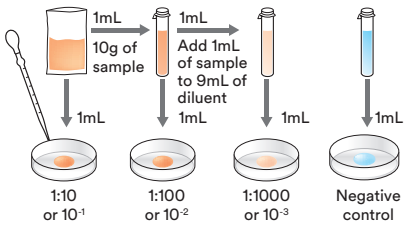
Agar method (CMMEF)

3 days to result

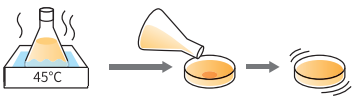
2 Prepare media.



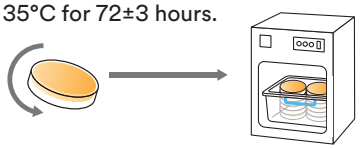
3 Dilute sample and plate.



4 Pour tempered agar into plates, swirl to mix and let solidify.



5 After plates have solidified, invert plates and incubate anaerobically at 35°C for 72±3 hours.

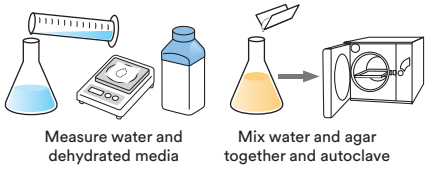


6 Count all colonies.

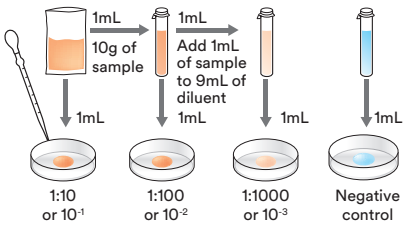
MRS agar method (ISO 15214)

3 days to result

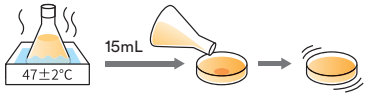
2 Prepare media.



3 Dilute sample and plate.



4 Pour tempered agar into plates, swirl to mix and let solidify.



5 After plates have solidified, invert plates and incubate at 30°C for 72±3 hours.

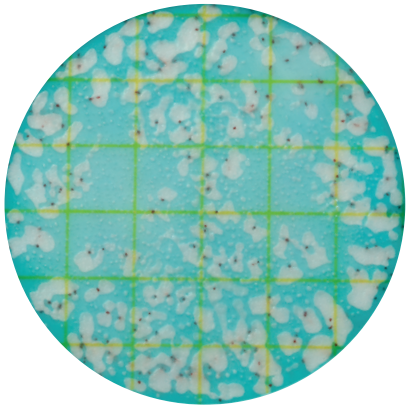
6 Count all colonies.

LAB
Lactic Acid Bacteria

48-hour results. Instant peace of mind.

The 3M™ Petrifilm™ Lactic Acid Bacteria Count (LAB) Plate is a self-contained anaerobic environment enabled by oxygen-scavenging technology and oxygen-barrier films. No gas packs, chambers, or CO_2 incubators needed.

- Lactic acid bacteria results in as little as 45 hours
- Ready-to-use plates eliminates the need for labour intensive media preparation, special diluents and sample pH adjustment
- Proven reliability versus MRS and APT agar methods. Can be used to test a broad range of foods and environmental samples
- This plate has been awarded AOAC® *Performance Tested*℠ Certificate #041701 for a variety of foods



Method: AOAC® *Performance Tested*℠	28–37°C for 48±3hr, stacks of 20
Recommended counting range	<300 colonies without gas, <150 colonies with and without gas
Counting area	30cm²
Spreader type	3M™ Petrifilm™ Flat Spreader

3M catalogue number	Description	Quantity billing unit
6461	3M™ Petrifilm™ Lactic Acid Bacteria Count (LAB) Plates, 2 pks, 25 plates/pk	50 plates
6462	3M™ Petrifilm™ Lactic Acid Bacteria Count (LAB) Plates, 20 pks, 25 plates/pk	500 plates
6425	3M™ Petrifilm™ Flat Spreader	2 each

Learn more about 3M™ Petrifilm™ Plates at 3M.com/foodsafety/Petrifilm

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