

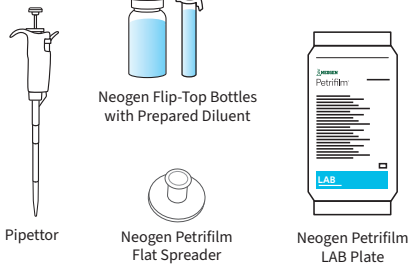


Petrifilm®

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

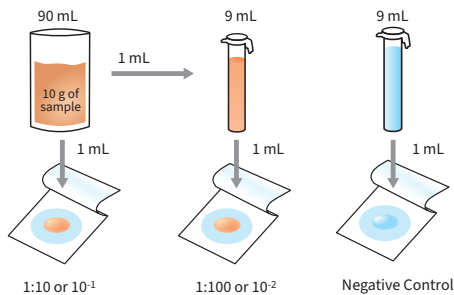
Protocol Comparison to Agar Method

Neogen® Petrifilm® Lactic Acid Bacteria Count (LAB) Plate Method



2 Days to Results

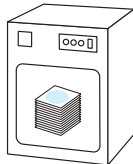
1. Prepare sample, dilute, and plate
1 mL onto the Petrifilm Plate



2. Roll down the top film and press the flat side of the Neogen Petrifilm Flat Spreader onto the sample



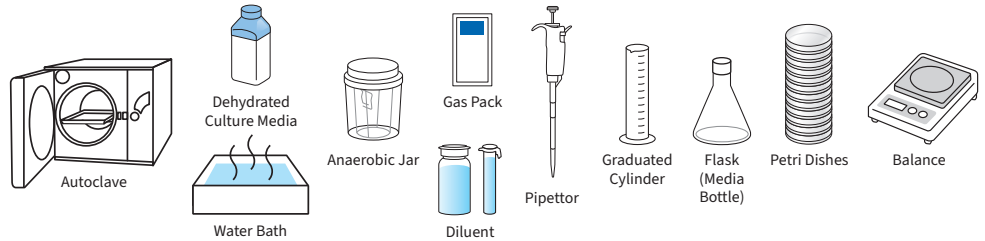
3. Incubate 48±3h
(see validations table on the next page)



4. Enumerate colonies using the Neogen Petrifilm Plate Reader Advanced
Petrifilm Plates can also be counted manually



Traditional Method

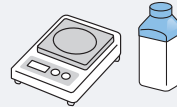


3 Days to Results

1. Measure water



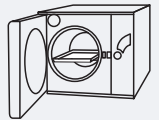
2. Weigh dehydrated medium



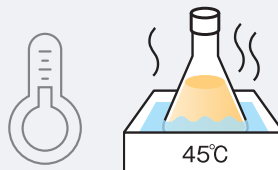
3. Mix dehydrated medium and water



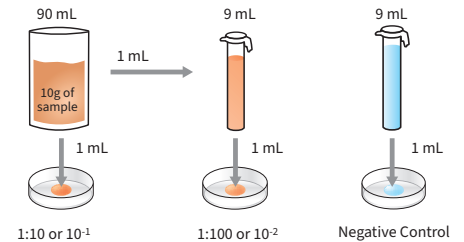
4. Autoclave media



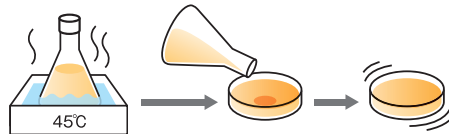
5. Temper agar



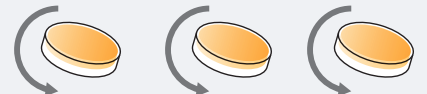
6. Prepare sample, dilute, and plate
1 mL onto plates



7. Pour tempered agar into plates, swirl to mix



8. Wait for plates to solidify and then invert



9. Incubate anaerobically for 72±3h
(refer to industry standard)



10. Manually interpret colonies and record results into documentation system



A self-contained anaerobic environment means no gas packs, chambers or CO₂ Incubator.

Method

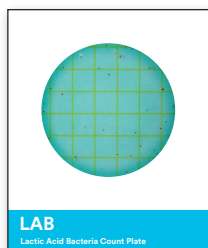
Petrifilm Lactic Acid Bacteria Count Plate

CMMEF and ISO 15214

Time to Result

48 hours

72 hours



Product Information

Stack Height	20 Plates or Less
Optimum pH Range	Not Applicable
Recommended Counting Range	Colonies Without Gas ≤ 300 CFU Colonies With and Without Gas ≤ 150 CFU
Counting Area	30 cm ²
Spreader Type	Petrifilm Flat Spreader 6425
Compatible With	Petrifilm Plate Reader Advanced



International Validations for Neogen Petrifilm LAB Plates

Method/Certificate	Scope	Temperature	Time
AOAC® PTM™ #041701	Select Foods and Environmental Surfaces	28°C $\pm$ 1°C to 37°C $\pm$ 1°C	48h $\pm$ 3h
NF Validation by AFNOR Certification 3M 01/19-11/17	All Human Foods (Excluding Yogurts) and Industrial Environmental Samples	30°C $\pm$ 1°C	48h $\pm$ 3h

See how Petrifilm Plates can help your lab.



76%
Less energy



79%
Less water



75%
Less CHG emissions



66%
Less waste



Save analysis time by
48%
on average*



Results in
6
seconds or less



Data in up to
1/2
the time*



Up to
85%
less space than agar**

*Excludes passive time (e.g. incubation time and autoclave cycles).

**Results compared to traditional agar plates.

Streamline lab operations — visit info.neogen.com/petrifilm



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