

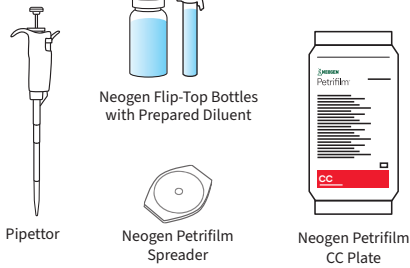


Petrifilm®

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

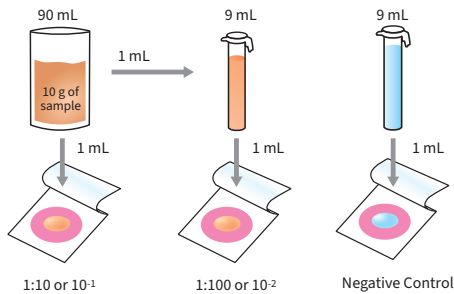
Protocol Comparison to MPN Method

Neogen® Petrifilm® Coliform Count (CC) Plate Method



1 Day to Results

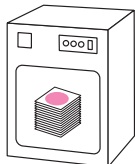
1. Prepare sample, dilute, and plate 1 mL onto the Petrifilm Plate



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



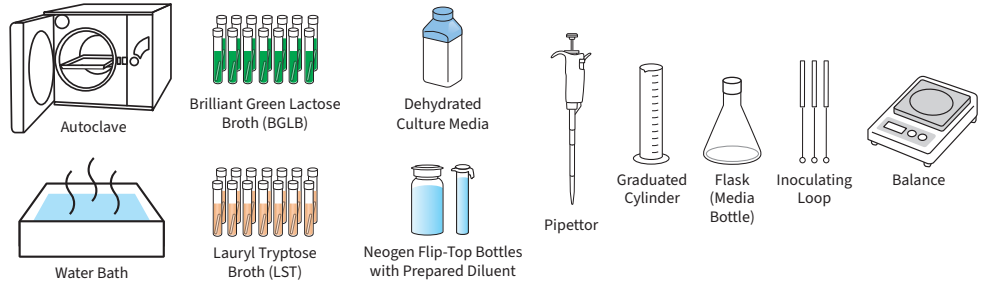
3. Incubate 24±2h (see validations table on the next page)



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

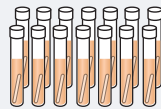


Traditional Method

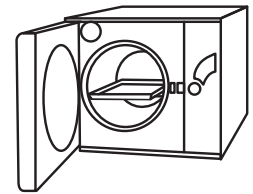


Up to 4 Days

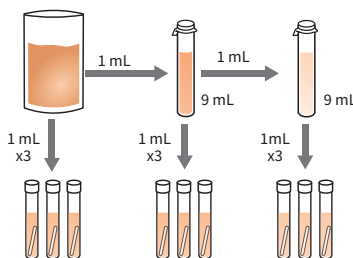
1. Dispense 10 mL LST broth into tubes containing inverted fermentation tubes.



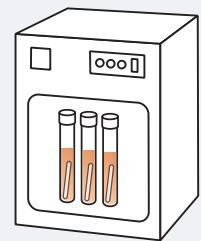
2. Sterilize broth in autoclave.



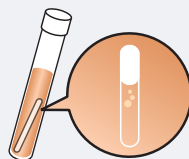
3. Dilute sample and inoculate aliquots from each dilution into 3 LST tubes for a 3-tube MPN analysis.



4. Incubate LST tubes at for 24–48 hours. (refer to industry standard)

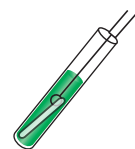


5. Examine tubes and record reactions for gas.



5. Final Step + 2 Days to Result

Subculture a loopful of suspension from gassing LST tubes. Transfer to BGLB broth and incubate for 48 hours for a confirmed coliform test.



24-hour results. Instant peace of mind.

Method

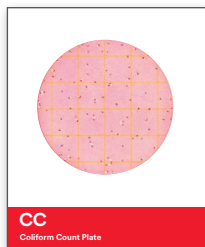
Petrifilm Coliform Count Plate

FDA BAM Chapter 4 and ISO 4831

Time to Result

24 hours

72–96 hours



Product Information

Stack Height	20 Plates or Less
Optimum pH Range	6.6–7.2
Recommended Counting Range	≤150 CFU
Counting Area	20 cm ²
Spreader Type	Petrifilm Spreader 6496
Compatible With	Petrifilm Plate Reader Advanced



International Validations for Neogen Petrifilm CC Plates

Method/Certificate	Scope	Temperature	Time
AOAC® OMA™ 986.33	Raw and Pasteurized Milk	32°C ± 1°C	24h ± 2h
AOAC® OMA™ 989.10	Dairy Products	32°C ± 1°C	24h ± 2h
AOAC® OMA™ 991.14	Foods	35°C ± 1°C	24h ± 2h
AOAC® PTM™ 082101	Bottled Water	35°C ± 1°C	24h ± 2h
NF Validation by AFNOR Certification 3M 01/02-09/89 A	All Human Food Products (Except Raw Shellfish), Pet Food and Environmental Samples	30°C ± 1°C or 37°C ± 1°C	24h ± 2h
NF Validation by AFNOR Certification 3M 01/02-09/89 B	All Human Food Products (Except Raw Shellfish)	30°C ± 1°C or 37°C ± 1°C	24h ± 2h
NF Validation by AFNOR Certification 01/02-09/89 C	All Human Food Products	44°C ± 1°C	24h ± 2h

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



Neogen Corporation, 620 Leshar Place, Lansing, MI 48912 USA.

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