

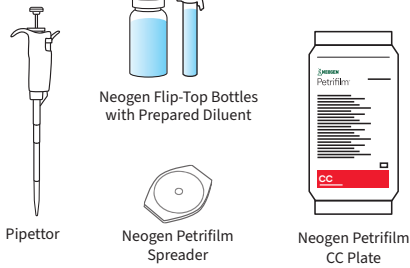


Petrifilm®

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

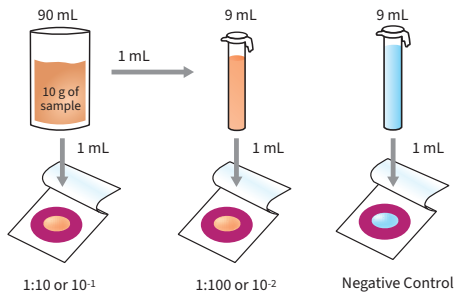
Protocol Comparison to Agar Method

Neogen® Petrifilm® Coliform Count (CC) Plate Method



1 Day to Results

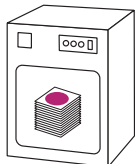
1. Prepare sample, dilute, and plate 1 mL onto the Petrifilm Plate



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



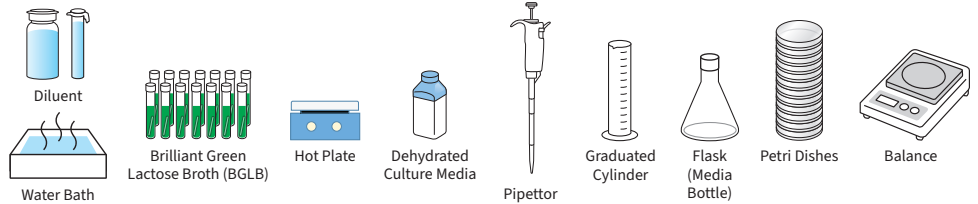
3. Incubate 24±2h
(see validations table on the next page)



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



Traditional Method

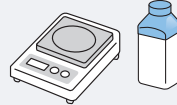


Up to 3 Days to Results

1. Measure water



2. Weigh dehydrated medium



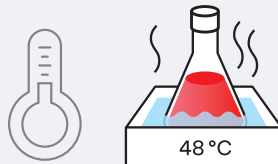
3. Mix dehydrated medium and water



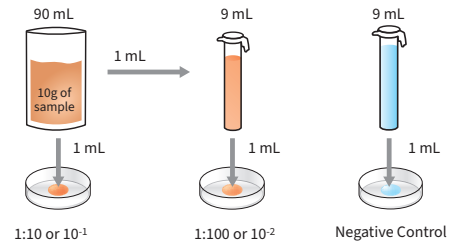
4. Heat until Boiling



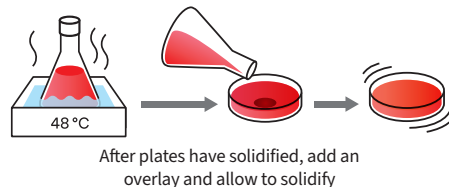
5. Temper agar



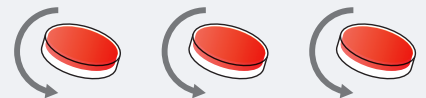
6. Prepare sample, dilute, and plate 1 mL onto plates



7. Pour tempered agar into plates, swirl to mix



8. Wait for plates to solidify and then invert



9. Incubate 24±2h
(refer to industry standard)



10. Enumerate colonies
Count purple red colonies surrounded by zone of precipitated bile acids.



11. Final Step
+ 2 Days to Result

Subculture an isolated colony. Transfer to BGLB broth and incubate for 48 hours for a confirmed coliform test.



24-hour results. Instant peace of mind.

Method

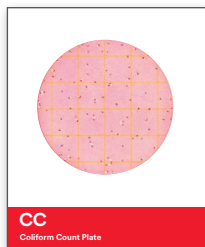
Petrifilm Coliform Count Plate

FDA BAM Chapter 4 and ISO 4832

Time to Result

24 hours

24–72 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



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