

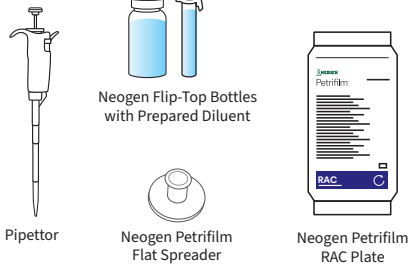


Petrifilm®

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

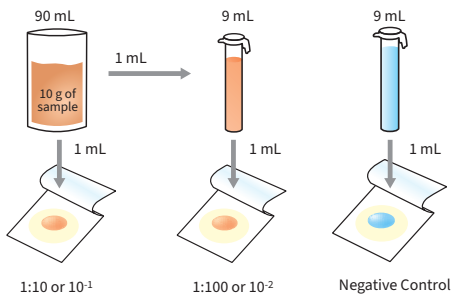
Protocol Comparison to Agar Method

Neogen® Petrifilm® Rapid Aerobic Count (RAC) Plate Method

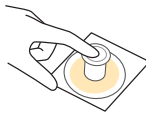


1–2 Days to Results

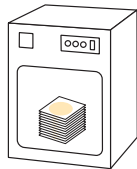
1. Prepare sample, dilute, and plate
1 mL onto the Petrifilm Plate



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



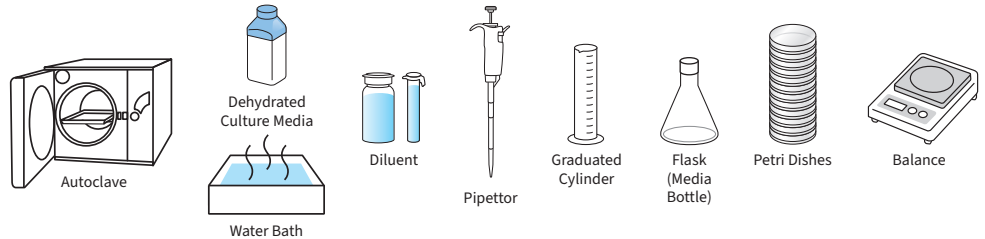
3. Incubate 24–48h
(see validations table on the next page)



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



Traditional Method

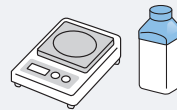


2–3 Days to Results

1. Measure water



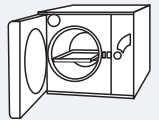
2. Weigh dehydrated medium



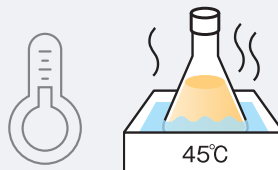
3. Mix dehydrated medium and water



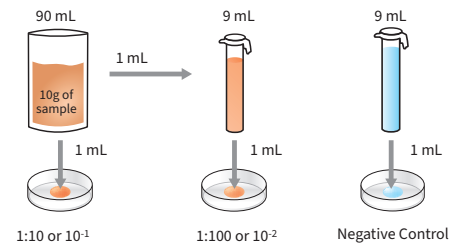
4. Autoclave media



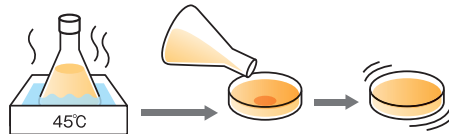
5. Temper agar



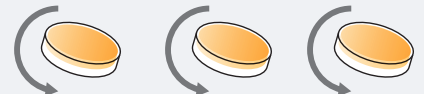
6. Prepare sample, dilute, and plate
1 mL onto plates



7. Pour tempered agar into plates, swirl to mix



8. Wait for plates to solidify and then invert



9. Incubate 48–72h
(refer to industry standard)



10. Manually interpret colonies and record results into documentation system



24-hour results. Instant peace of mind.

Method

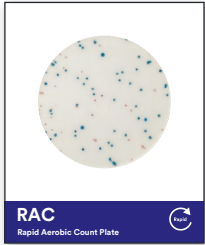
Petrifilm Rapid Aerobic Count Plate

FDA BAM Chapter 3 and ISO 4833

Time to Result

24–48 hours

48–72 hours



Product Information

Stack Height	Stacks of 40 or Less (SMEDP: 20 or Less)
Optimum pH Range	>5.0
Recommended Counting Range	≤300 CFU
Counting Area	30 cm ²
Spreader Type	Petrifilm Flat Spreader 6425
Compatible With	Petrifilm Plate Reader Advanced*



International Validations for Neogen Petrifilm RAC Plates

Method/Certificate	Scope	Temperature	Time
AOAC® OMA™ 2015.13	Dairy (Not Including Powders) and Seafood	32°C ± 1°C	24h ± 2h
	Variety of Foods and Select Environmental Surfaces	35°C ± 1°C	24h ± 2h
	Dairy Powders (Including Whey Powders)	32°C ± 1°C	48h ± 3h
NF Validation by AFNOR Certification 3M 01/17-11/16	Broad Range of Foods (Excluding Powdered Milk)	30°C ± 1°C	28h ± 2h
	Powdered Milk	30°C ± 1°C	48h ± 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***

* Validated with the use of Petrifilm Plate Reader Advanced through AFNOR Certification

** 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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