



Petrifilm®

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

Protocol Comparison to Agar Method

Neogen® Petrifilm® Rapid Yeast and Mold Count (RYM) Plate Method



Pipettor



Neogen Flip-Top Bottles with Prepared Diluent



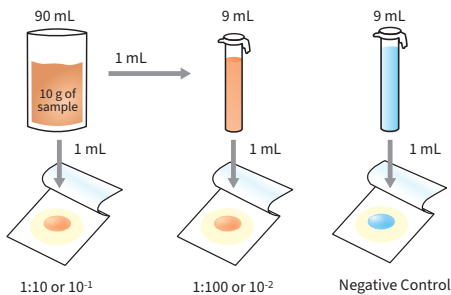
Neogen Petrifilm Flat Spreader



Neogen Petrifilm RYM Plate

2-3 Days to Results

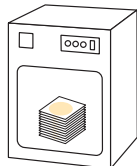
1. Prepare sample, dilute, and plate 1 mL onto the Petrifilm Plate



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



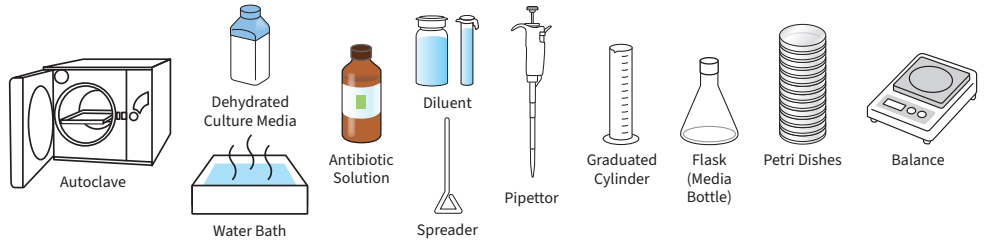
3. Incubate 48-72h (see validations table on the next page)



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



Traditional Method

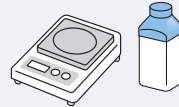


5-7 Days to Results

1. Measure water



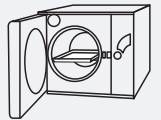
2. Weigh dehydrated medium



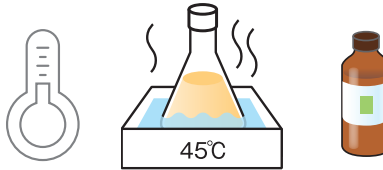
3. Mix dehydrated medium and water



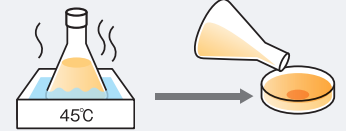
4. Autoclave media



5. Temper agar



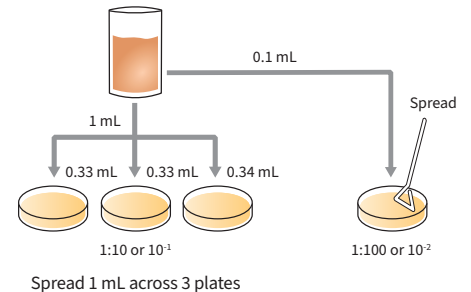
6. Pour tempered agar into plates



7. Wait for plates to solidify



8. Prepare sample, dilute, and plate



9. Incubate 5-7 days (refer to industry standard)



10. Manually interpret colonies and record results into documentation system



48-hour results. Instant peace of mind.

Method

Petrifilm Rapid Yeast and Mold Count Plate
FDA BAM Chapter 18 and ISO 21527

Time to Result

48-72 hours

120-168 hours



Product Information	
Stack Height	40 Plates or Less
Optimum pH Range	Not Applicable
Recommended Counting Range	≤150 CFU
Counting Area	30 cm ²
Spreader Type	Petrifilm Flat Spreader 6425
Compatible With	Petrifilm Plate Reader Advanced*



International Validations for Neogen Petrifilm RYM Plates

Method/Certificate	Scope	Temperature	Time
AOAC® OMA™ 2014.05	Variety of Foods and Select Environmental Surfaces	25°C ± 1°C or 28°C ± 1°C	48h–60h
	Dried Cannabis Flower	25°C ± 1°C or 28°C ± 1°C	60h–72h
NF Validation by AFNOR Certification 3M 01/13-07/14	All Human Food Products, Animal Feed and Industrial Environmental Products (Excluding Primary Production Samples)	25°C ± 1°C or 28°C ± 1°C	60h–72h

NF Validation by AFNOR includes the Petrifilm Plate Reader Advanced.

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

