# MICROBIOLOGICAL MEDIA
# QUALITY PERFORMANCE REPORT # 25036

**Test Media:** Aerobic Count Plate

**Brand:** Neogen Petrifilm™ **Batch No. / Expiry Date:** 344XDX/2026-09-22

**Reference Media:** Standard Plate Count (SPC) Agar

**Brand:** Oxoid **Batch No. / Expiry Date:** 6195049/ Nov 2029

**Date Tested:** 07 Jul 2025 **Project No:** 25-179816-1A

## BATCH PERFORMANCE CERTIFICATE

### Qualitative Analysis

| Test Organism | Observed Growth |
|---|---|
| *Staphylococcus aureus* NZRM 87 | Growth |
| *Escherichia coli* NZRM 916 | Growth |
| *Enterococcus faecalis* NZRM 1106 | Growth |
| *Pseudomonas aeruginosa* NZRM 918 | Growth |
| *Enterobacter cloacae* NZRM 2375 | Growth |
| Blank | No Growth |

No Growth: No visible colonies observed.

Method: Direct inoculation i.e. 1ml of a diluted overnight culture was used to inoculate the test media.

Blank: 5 plates inoculated with 1ml sterile diluent.

Incubation Conditions: Aerobic 35°C/48 hours

### Quantitative Analysis

| - | Test Organism | |
|---|---|---|
| - | *Escherichia coli* NZRM 916 | *Staphylococcus aureus* NZRM 87 |
| Ave. No. Colonies Petrifilm | 98.2 | 109.2 |
| Ave. No. Colonies SPC | 108.6 | 100.8 |
| % Difference | -9.6% | 8.3% |

Quantitative analysis compares the recovery rate of the test media to a reference media.

Calculation: The percentage difference =

$$\frac{[\text{Ave. No. of Test Media Colonies} \times 100]}{\text{Ave. No. of Reference Media Colonies}} - 100$$

Method: In House

Incubation Conditions: Aerobic 35°C/48 hours

**Quantitative Interpretation:** The media performance is considered acceptable if the percentage difference between the test and non-selective reference media does not exceed ±10%.

**Qualitative Interpretation:** The media performance is considered acceptable if both positive growth of the target organism(s) and negative or no growth of non-target organism(s) is expressed.

The above criteria are testing laboratory In-house limits, which have been endorsed by Neogen as a report interpretation guideline.

Results apply to samples of the Batch as received by the laboratory.

Authorised by:

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Report Date: 09 Jul 2025

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