MICROBIOLOGICAL MEDIA
QUALITY PERFORMANCE REPORT # 25005

Test Media: *E. coli* / Coliform Count Plate

Brand: Neogen Petrifilm™ **Batch No. / Expiry Date:** 418324313E/2026-05-09

Reference Media: Standard Plate Count (SPC) Agar

Brand: Oxoid **Batch No. / Expiry Date:** 3697752 / Jul 2028

Date Tested: 03 Feb 2025 **Project No:** 25-18550-1A

BATCH PERFORMANCE CERTIFICATE

Qualitative Analysis

Test Organism	Observed Growth
Staphylococcus aureus NZRM 87	No Growth
Escherichia coli NZRM 916	Positive (*E. coli*)
Enterococcus faecalis NZRM 1106	No Growth
Pseudomonas aeruginosa NZRM 918	Negative
Enterobacter cloacae NZRM 2375	Positive (*Coliform*)
Blank	No Growth

Positive: Typical growth as described by method.

Negative: Growth not described as typical.

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/24 hours

Quantitative Analysis

-	Test Organism	
-	*Escherichia coli* NZRM 916	-
Ave. No. Colonies Neogen Petrifilm	73	-
Ave. No. Colonies SPC	76.4	-
% Difference	-4.5%	-

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/24 hours

Quantitative Interpretation: The media performance is considered acceptable if the percentage difference between the test and non-selective reference media does not exceed ± 30%.

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:

Michele An
Scientific Analyst

Report Date: 05 Feb 2025

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AsureQuality Limited
131 Boundary Road, Blockhouse Bay, Auckland, New Zealand
Telephone (09) 626 8000; Fax (09) 626 8282