MICROBIOLOGICAL MEDIA
QUALITY PERFORMANCE REPORT # 23091

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

Brand: 3M Petrifilm™ **Batch No. / Expiry Date:** 418323075E/2024-09-13

Reference Media: Standard Plate Count (SPC) Agar

Brand: Oxoid **Batch No. / Expiry Date:** 3569103 / Oct 2027

Date Tested: 25 May 2023 **Project No:** 23-142343-1A

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 3M Petrifilm	89.4	-
Ave. No. Colonies SPC	92	-
% Difference	-2.8 %	-

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 3M as a report interpretation guideline.

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

Authorised by:

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Scientific Analyst

Report Date: 02 Jun 2023

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