MICROBIOLOGICAL MEDIA
QUALITY PERFORMANCE REPORT # 23089

Test Media: Aerobic Count Plate

Brand: 3M Petrifilm™ **Batch No. / Expiry Date:** 33NXT6/2024-09-21

Reference Media: Standard Plate Count (SPC) Agar

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

Date Tested: 25 May 2023 **Project No:** 23-143584-1A

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 3M Petrifilm	85.8	81.2
Ave. No. Colonies SPC	79.8	78.8
% Difference	7.5%	3.0%

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 3M as a report interpretation guideline.

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

Authorised by: Michele

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Scientific Analyst

Report Date: 31 May 2023

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