

G & M Procter Ltd. Certificate of Analysis

PRODUCT **BM1104T**
BUFFERED PEPTONE WATER (ISO) 4X3L
4 X 3 LITRES

LOT NUMBER 2533247
EXPIRY DATE 2020.06.30
PACKING DATE 2019.05.29
TEST DATE 2019.06.05
REPORTING DATE 2019.06.13

| Physical Characteristics | Results | Specification | Accredited Method Reference |
|--|--------------------------|--------------------------|---|
| Appearance | Colourless to straw 1 | Colourless to straw 1 | Appearance and colour |
| pH (25°C) | 7.0 | 6.8 - 7.2 | SOP 53 pH |
| Clarity | Clear | Clear | |
| Packaging and Presentation | Conforms | Conforms | |
| Fill Volume/Weight | 3005.6G | 3000.0 - 3040.0G | Fill volume weight check |
| Contamination @ 32°C ± 2°C for >72 hours | Conforms | Within acceptable limits | SOP 167 Contamination Check at 22°C & 32°C |

MICROBIOLOGICAL PERFORMANCE

Tested in accordance with ISO11133:2014. For target organisms the control media must achieve 50-120 cfu. The test medium must achieve between 50% & 120% of the control medium and show the colonial appearance stated in the specification. For non target organisms the test medium must show the colonial appearance or level of inhibition as stated in the specification from the stated inoculums.

MICROBIOLOGICAL PERFORMANCE

For the target organism initial inocula must achieve a colony count of 50-150 cfu. Recovery after holding at 20-25°C for 45-60 minutes shall be between 70% - 130% of initial count.

| Target Organism | Initial cfu | Post holding period cfu | Specification | Accredited Method Reference |
|-------------------------------|-------------|-------------------------|--------------------|-------------------------------------|
| Escherichia coli ATCC®8739 | 145 | 148 | As described above | SOP 139 Maintenance of viability |

All of the results reported within the G & M Procter Certificate of Analysis relate only to the sample tested. The results were derived from a representative sample of the batch and were obtained at the time of release. All test specifications are defined in the G&M Procter manufacturing and test procedures for this product, which are available on request. The uncertainty of measurement introduced during pH, fill weight and microbiological performance testing has been determined. Values are not reported on the Certificate of Analysis but details can be provided on request.



Ian Snowball
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Quality Manager
G & M Procter Ltd

The test laboratory of Thermo Fisher Scientific is accredited by UK accreditation authority UKAS as registered test laboratory 2727 according to EN ISO/IEC 17025 for the performance testing of media for microbiology.

Performance tested by the Quality Control Laboratory, G & M Procter Ltd, 4 Auld Bond Road,
Perth, PH1 3FX, a UKAS accredited testing laboratory NO. 2727

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| Target Organism | Initial cfu | Post holding period cfu | Specification | Accredited Method Reference |
|--------------------------------------|-------------|-------------------------|--------------------|----------------------------------|
| Escherichia coli ATCC®25922 | 129 | 136 | As described above | SOP 139 Maintenance of viability |
| Listeria monocytogenes ATCC®35152 | 95 | 99 | As described above | SOP 139 Maintenance of viability |
| Listeria monocytogenes ATCC®13932 | 100 | 95 | As described above | SOP 139 Maintenance of viability |

| Target Organism | Control(cfu) | Test | Specification | Accredited Method Reference |
|--|--------------|---------------|---------------|--|
| Salm. typhimurium ATCC®14028 WDCM-00031 | 74 | Turbid growth | Turbid growth | SOP 151 Fertility of Specified Target Organism(s) (Liquid Media) |
| Salmonella enteritidis ATCC®13076 | 53 | Turbid growth | Turbid growth | SOP 151 Fertility of Specified Target Organism(s) (Liquid Media) |
| Salmonella nottingham NCTC7832 | 81 | Turbid growth | Turbid growth | SOP 151 Fertility of Specified Target Organism(s) (Liquid Media) |
| Escherichia coli ATCC®11775 | 65 | Turbid growth | Turbid growth | SOP 151 Fertility of Specified Target Organism(s) (Liquid Media) |

Control Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate
All ISO/CEN 11133-2 control strains are included in the test panel.

Refer to product specification for full details.

A satisfactory sterility test result is represented by no visible microbial growth after incubation for 5 days at 20-25°C and at 30-35°C.

This product is manufactured at Thermo Fisher Scientific, Basingstoke.

ATCC is a registered trade mark of the American Type Culture Collection. NCTC and National Collection of Type Cultures are registered trade marks of the Health Protection Agency.

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CERTIFICATE OF ANALYSIS

Delivery/Customer information

Date Printed

2019.06.14

Delivery No.

Customer

Customer Order number

The information given is believed to be correct. However both the information and the product are offered without warranty for any specific application other than that specified. The results reported were derived from a representative sample of the batch and were obtained at the time of release.



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Quality Manager, G&M Procter Ltd

Our management system is certified by BSI as being in conformity with ISO 9001:2008, certificate number FM 27644 and ISO 13485:2003, certificate number MD 85850.

G & M Procter Ltd, Thermo Fisher Scientific, Microbiology,
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