

OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

BUFFERED PEPTONE WATER (ISO) READY BAG

BM1104T

Formula

Enzymatic digest of casein	grams per litre	10.0
Sodium chloride		5.0
Disodium hydrogen phosphate (anhydrous)		3.5
Potassium dihydrogen phosphate		1.5

Preparation

Dissolve Buffered Peptone Water (ISO) CM1049 (20g/litre) in deionised water. Dispense media into final containers, 3 litre bags. Sterilise at 121°C for 15 minutes. When cool, label each bag and pack in units of 4 in labelled boxes.

Format

Four, 3 litre bags with septum port in a box.

Label

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Storage Conditions

Store away from light at 2°C-25°C

Physical Characteristics

Colour - colourless/straw 1

pH - 7.0 ± 0.2 at 25°C

Clarity - clear

Fill volume - $3020\text{ml} \pm 20\text{ml}$

Packaging and Presentation

General appearance of bottle and label should be satisfactory. Label data should be correct.

Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20-25°C and 30-35°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Control Media : Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

Tested as a diluent

Inoculate the medium with the test organism. At time zero, and after holding at 20-25°C for 45 minutes, subculture onto control medium.

Reactions after incubation at 37°C for 18-24 hours

Medium (10ml) is challenged with 50-150 colony forming units

<i>Escherichia coli</i>	ATCC® 8739	White/grey colonies
<i>Escherichia coli</i>	ATCC® 25922	White/grey colonies

A satisfactory result is represented by recovery of $\pm 30\%$ of the Control cfu (0 minutes) from an inoculum of 50-150 cfu after holding at 20-25°C for 45 minutes.

Inoculate the medium with the test organism. At time zero, and after holding at 18-22°C for 1 hour, subculture onto control medium.

Reactions after incubation at 37°C for 18-24 hours

Medium (10ml) is challenged with 50-100 colony forming units.

<i>Listeria monocytogenes</i>	ATCC® 35152	White/grey colonies
<i>Listeria monocytogenes</i>	ATCC® 13932	White/grey colonies

A satisfactory result is represented by recovery of $\pm 30\%$ of the Control cfu (0 minutes) from an inoculum of 50-100 cfu after holding at 18-22°C for 1 hour.

Tested as a non-selective pre-enrichment broth

Reactions after incubation at 37°C for 18 hours

Medium (10ml) is challenged with 10-100 colony forming units.

<i>Salmonella typhimurium</i>	ATCC® 14028	Turbid growth
<i>Salmonella enteritidis</i>	ATCC® 13076	Turbid growth
<i>Salmonella nottingham</i>	NCTC 7832	Turbid growth
<i>Escherichia coli</i>	ATCC® 11775	Turbid growth

A satisfactory result is represented by visible growth

All ISO/CEN 11133-2 control strains are included in the test panel.