

PRODUCT SPECIFICATION

OXOID BUFFERED PEPTONE WATER

BO0201Z

Typical Formula*

	grams per litre
Peptone	10.0
Sodium chloride	5.0
Di-sodium phosphate	3.5
Potassium dihydrogen phosphate	1.5

* adjusted as required to meet performance standards

Preparation

Suspend Buffered Peptone Water (20.0 grams / litre) in de-ionised water. Heat to dissolve. Cool and dispense 90ml into final containers, 125ml sirop bottles. Sterilise at 121°C for 15 minutes. When cool label each bottle and pack in units of 10 into labelled boxes.

Format

Ten sirop bottles with screw cap closure in a box.

Labels

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

Physical Characteristics

pH	7.2 ± 0.2
Colour	Straw 1 to straw 2
Clarity	Clear
Fill weight	89.0 - 91.0g

Packaging and presentation

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

Contamination check

Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Testing as a pre-enrichment medium

Inoculum ≤ 100 colony forming units

Results after incubation at 35-39°C for 16-20 hours

<i>Salmonella</i> Typhimurium	ATCC®14028 (WDCM 00031)	Turbid growth
<i>Salmonella</i> Enteritidis	ATCC®13076 (WDCM 00030)	Turbid growth
<i>Escherichia coli</i>	ATCC®8739 (WDCM 00012)	Turbid growth

Control medium to determine the inoculum: Tryptone Soya Agar

Testing as a diluent

Inoculum 50-150 colony forming units

Recovery after incubation at 20-25°C for 45-60 minutes. Counts are performed on Tryptone Soya Agar incubated at 35-39°C for 18-24 hours.

<i>Escherichia coli</i>	ATCC® 8739 (WDCM 00012)	± 30% cfu of original count
<i>Staphylococcus aureus</i>	ATCC® 25923 (WDCM 00034)	± 30% cfu of original count

Recovery after incubation at 18-22°C for 55-65 minutes. Counts are performed on Columbia Blood Agar incubated at 35-39°C for 18-24 hours.

<i>Listeria monocytogenes</i>	ATCC® 13932 (WDCM 00021)	± 30% cfu of original count
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Storage Conditions

Store away from light between 2-25°C

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Tested in accordance with ISO 11133