OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

DRY-BAGS™ WITHOUT FILTER BUFFERED PEPTONE WATER (ISO) DB1049W

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Typical Formula*

Peptone	grams per litre	10.0
Sodium chloride		5.0
Disodium hydrogen phosphate (anhydrous)		3.5
Potassium dihydrogen phosphate		1.5

* adjusted as required to meet performance standards

Description

Bag containing Buffered Peptone Water (ISO) (CM1049) sufficient for 20 litres of medium. Complete unit irradiated at 25-45kGy.

Directions

Refer to product insert.

Format

Ten, 20 litre Dry-Bags™ with connection ports 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 10-30°C

Physical Characteristics

Light straw to straw, free-flowing powder
Colour on reconstitution - straw 1 to straw 3
pH 7.0 ± 0.2 at 25°C
Clarity - clear
Fill weight - 400g ± 5g

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Packaging and Presentation

General appearance of bag 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

Reactions after incubation at 37 ± 2°C for 18 ± 2 hours

Tested as a non-selective pre-enrichment broth

Medium is challenged with 10-100 colony-forming units

Salmonella nottingham	NCTC7832	Turbid growth
Salmonella poona	NCTC4840	Turbid growth
Escherichia coli	ATCC®11775	Turbid growth

A satisfactory result is represented by visible growth.

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 37 ± 2°C for 18 ± 2 hours

Tested as a non-selective pre-enrichment broth

Medium is challenged with 10-100 colony-forming units

Salmonella typhimurium	ATCC®14028	WDCM00031	Turbid growth
Salmonella enteritidis	ATCC®13076	WDCM00030	Turbid growth
Escherichia coli	ATCC®25922	WDCM00013	Turbid growth
Escherichia coli	ATCC®8739	WDCM00012	Turbid growth

A satisfactory result is represented by visible growth.

Reactions after incubation at 37 ± 2°C for 18 ± 2 hours

Tested as a diluent

Inoculate 9ml of the medium with 1ml of the test organism containing greater than or equal to 5E+04 cfu/ml. At time zero (0 minutes) and after holding at 20-25°C for 45minutes to 1 hour (for *Escherichia coli* and *Staphylococcus aureus*) or 18-22°C for 1 hour ± 5 minutes (for *Listeria monocytogenes*), subculture onto control medium.

Medium is challenged with 50-150 colony-forming units

Escherichia coli	ATCC®8739	WDCM00012	1-2mm white/grey colonies
Escherichia coli	ATCC®25922	WDCM00013	1-2mm white/grey colonies
Staphylococcus aureus	ATCC®25923	WDCM00034	0.5-1mm white/grey colonies
Listeria monocytogenes	ATCC®35152	WDCM00109	1-2mm white/grey colonies
Listeria monocytogenes	ATCC®13932	WDCM00021	1-2mm white/grey colonies

A satisfactory result is represented by recovery of ± 30% of the Control cfu (0 minutes) after holding at 20-25°C for 45 minutes (*Escherichia coli* and *Staphylococcus aureus*) or 18-22°C for 1 hour (*Listeria monocytogenes*).

Testing performed in accordance with ISO22964:2017

Reactions after incubation at 36 ± 2°C for 18 ± 2 hours

Tested as a non-selective pre-enrichment broth

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

Cronobacter sakazakii	ATCC®29544	WDCM00214	Turbid growth
Cronobacter muytjensii	ATCC®51329	WDCM00213	Turbid growth

A satisfactory result is represented by visible growth.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Physical characteristics	Change of colour	Change control	MOC-2024-1290