OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

BUFFERED PEPTONE WATER (CM0509)

BUFFERED PEPTONE WATER **CM0509**

Formula

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

Directions

Add 20g to 1 litre of distilled water. Mix well and distribute into final containers. Sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

Straw, free flowing powder
Colour on reconstitution - straw 2-3
Moisture level - less than 7%
pH - 7.2 ± 0.2 at 25ºC
Clarity - clear (single and double strength broth)
Buffering Capacity Test - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

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

Medium is challenged with 10-100 colony forming units

Salmonella nottingham	NCTC 7832	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

Medium is challenged with 10-100 colony forming units

Salmonella typhimurium	ATCC® 14028	WDCM 00031	Turbid growth
Salmonella enteritidis	ATCC® 13076	WDCM 00030	Turbid growth
Escherichia coli	ATCC® 8739	WDCM 00012	Turbid growth
Escherichia coli	ATCC® 25922	WDCM 00013	Turbid growth

A satisfactory result is represented by visible growth from an inoculum of 10-100 colony forming units.

Testing performed in accordance with ISO22964:2017

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

Medium is challenged with 10-100 colony forming units

Cronobacter sakazakii	ATCC® 29544	WDCM 00214	Turbid growth
Cronobacter muytjensii	ATCC® 51329	WDCM 00213	Turbid growth

A satisfactory result is represented by visible growth from an inoculum of 10-100 colony forming units.

Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	Update to new template and addition of ISO22964:2017 section	Change control	BT-CC-1531