

	Document Owner Department: QC	BT-SPEC-0164
		Page 1 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>BUFFERED PEPTONE WATER (CM0509)</b>		

**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 25°C  
 Clarity - clear (single and double strength broth)  
 Buffering Capacity Test - passes test

**Microbiological Tests Using Optimum Inoculum Dilution**

Control Medium: Tryptone Soya Agar

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

Medium is challenged with 10-100 colony forming units

<i>Salmonella nottingham</i>	NCTC 7832	Turbid growth
<i>Escherichia coli</i>	ATCC® 11775	Turbid growth

A satisfactory result is represented by visible growth.

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	Document Owner Department: QC	BT-SPEC-0164
		Page 2 of 3
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**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

<i>Salmonella typhimurium</i>	ATCC® 14028	WDCM 00031	Turbid growth
<i>Salmonella enteritidis</i>	ATCC® 13076	WDCM 00030	Turbid growth
<i>Escherichia coli</i>	ATCC® 8739	WDCM 00012	Turbid growth
<i>Escherichia coli</i>	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

<i>Cronobacter sakazakii</i>	ATCC® 29544	WDCM 00214	Turbid growth
<i>Cronobacter muytjensii</i>	ATCC® 51329	WDCM 00213	Turbid growth

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

	Document Owner Department: QC	BT-SPEC-0164
		Page 3 of 3
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### 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