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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
PHOSPHATE BUFFERED SALINE (Dulbecco A) BR0014		

PHOSPHATE BUFFERED SALINE (Dulbecco A)

BR0014

Formula

Sodium chloride	grams per litre	8.0
Potassium chloride		0.2
Di-sodium hydrogen phosphate		1.15
Potassium dihydrogen phosphate		0.2

Directions

Add 1 tablet in 100ml of distilled water. Sterilize by autoclaving at 115°C for 10 minutes. Mix well.

Physical and Chemical Characteristics

Tablet colour	White
Average tablet weight	0.911 – 1.008g
	No more than 10% of tablets outside 0.888 – 1.032g with none outside 0.864 – 1.056g
Tablet pressure	Greater than or equal to 10Kp
Clarity (soln.)	Clear
Moisture level	Less than or equal to 2%
pH (soln.)	7.3 ± 0.2
Chloride content	Greater than or equal to 85%

Microbiological Tests using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

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


Testing performed in accordance with ISO11133:2014

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

Tested as a diluent


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

<i>Escherichia coli</i>	ATCC® 8739	WDCM00012	White/grey colonies
<i>Escherichia coli</i>	ATCC® 25922	WDCM00013	White/grey colonies

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Staphylococcus aureus ATCC®25923 WDCM00034 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 45-60 minutes.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
All	Updated to new format	Doc review	N/A
Tablet weight	Added statement percentage of tablets permitted outside range.	Change control	MOC-2025-0124