

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION
RINGERS SOLUTION BR0052G
RINGERS SOLUTION (100 Tablets)
BR0052G
Formula

Sodium chloride	grams per litre	2.25
Potassium chloride		0.105
Calcium chloride 6H ₂ O		0.12
Sodium bicarbonate		0.05

Directions

To prepare quarter-strength Ringers Solution, dissolve 1 tablet in 500ml distilled water. Sterilize by autoclaving at 121°C for 15 minutes.

Physical and Chemical Characteristics

Tablet colour	White
Tablet weight	1.140 - 1.260g
Tablet pressure	Greater than or equal to 10Kp
Clarity (soln.)	Clear
Moisture level	Less than or equal to 1.6%
Chloride content (as NaCl)	96.5 %

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
<i>Staphylococcus aureus</i>	ATCC®25923	WDCM00034	White/grey colonies

A satisfactory result is represented by recovery of ± 30% of the Control cfu (0 minutes) from an inoculum of 50-150 cfu after holding at 20-25°C for 45-60 minutes.

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION**RINGERS SOLUTION BR0052G****Revision History**

Section / Step	Description of Change	Reason for Change	Reference
Limits for moisture changed	Moisture limit raised to 1.6% and new format applied	Change control	BT-CC-2221