



TECHNICAL DATA SHEET

DESCRIPTION RINGERS SOLUTION 1/4 STRENGTH, BOTTLED
SGL PRODUCT CODE 0670

A diluent used for the preparation of suspensions of microbiological samples, for example water and milk. Quarter strength Ringer solution is isotonic, reducing osmotic shock and increasing recovery of sensitive microorganisms. The medium complies with The Microbiology of Drinking Water, the International Dairy Federation (IDF) and ISO 11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Sodium chloride	2.25 g
Potassium chloride	0.105 g
Calcium chloride	0.12 g
Sodium bicarbonate	0.05 g
Purified water	1000 ml

*Product may be adjusted and/or supplemented to meet performance criteria

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, colourless liquid

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923	±50% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	±50% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).