



## TECHNICAL DATA SHEET

**DESCRIPTION** TETRATHIONATE BROTH WITH IODINE/IODIDE + BRILLIANT GREEN, BOTTLED

**SGL PRODUCT CODE** 3498

A medium recommended for the selective enrichment of *Salmonella* species from food and other sample types.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	2.5 g
Enzymatic digest of animal tissue	2.5 g
Bile salts	1.0 g
Calcium carbonate	10.0 g
Sodium thiosulphate	30.0 g
Iodine	6.0 g
Potassium iodide	5.0 g
Brilliant Green	0.01 g
Purified water	1000 ml

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

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Green, clear to hazy liquid with white deposit

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

\* Growth determined by streaking onto TSA

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Salmonella abony</i> NCTC 6017 NMT 100 CFU inoculum	Good growth from a mixed culture: >10 CFU in 10µl after 35-37°C incubation for up to 24hrs followed by subculture to selective agar
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NLT 1000 CFU inoculum	Poor/no growth (<10% recovery) after 35-37°C incubation for 18-24hrs and subculture onto agar
<i>Klebsiella aerogenes</i> NCTC 9528 NLT 1000 CFU inoculum	Poor/no growth (<10% recovery) after 35-37°C incubation for 18-24hrs and subculture onto agar

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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

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