



TECHNICAL DATA SHEET

DESCRIPTION MANNITOL SELENITE BROTH, BOTTLED
SGI PRODUCT CODE 0594

A medium used for the selective enrichment of *Salmonella* Spp. from clinical specimens.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	5.0 g
Mannitol	4.0 g
Sodium phosphate	10.0 g
Sodium biselenite	4.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Light straw-coloured liquid
pH at 20-25°C	7.1 ± 0.2

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>Salmonella typhimurium</i> ATCC 14028 NCTC 12023 NMT 100 CFU inoculum	Recovery from mixed culture: >10cfu in 10µl after 35-37°C incubation for 1 day + subculture to selective agar
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NLT 1000 CFU inoculum	Partial inhibition ≤100 colonies on TSA after 35-37°C incubation for 1 day + subculture
<i>Klebsiella aerogenes</i> NCTC 9528 NLT 1000 CFU inoculum	Partial inhibition ≤100 colonies on TSA after 35-37°C incubation for 1 day + subculture

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).