



TECHNICAL DATA SHEET

DESCRIPTION LACTOSE PEPTONE WATER + PHENOL RED

SGL PRODUCT CODE 4517

A medium used for the biochemical conformation of lactose-fermenting microorganisms.

The product complies with the specification of the Microbiology of drinking water part 4 – methods for the isolation and enumeration of coliform bacteria and *Escherichia coli* (including *E. coli* O157H7)

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	10.0 g
Sodium chloride	5.0 g
Lactose	10.0 g
Phenol red	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	Clear, red liquid
pH at 20-25°C	7.5 ± 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>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923	Evidence of acid production (colour change to yellow) + gas in Durham's tube if present after 35 – 37°C incubation for 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	Evidence of acid production (colour change to yellow), no gas in Durham's tube if present after 35 – 37°C incubation for 1 day
<i>Proteus mirabilis</i> ATCC 29906 NCTC 11938	No evidence of acid production (no colour change), no gas in Durham's tube if present after 35 – 37°C incubation for 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).

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