



TECHNICAL DATA SHEET

DESCRIPTION LETHEEN AGAR MODIFIED + 0.8% TWEEN® (MLAT),
BOTTLED

SGL PRODUCT CODE 3594

A medium containing lecithin and an additional 0.8% polysorbate (Tween®) 80 for the neutralisation of antimicrobial compounds. Typically used for cosmetics testing.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone from casein (tryptone)	5.0 g
Meat extract	3.0 g
Glucose	1.0 g
Lecithin	1.0 g
Polysorbate (Tween®) 80	15 ml
Agar	15.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear to translucent, pale straw coloured gel
pH at 20-25°C	7.2 ± 0.2

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 PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Candida albicans</i> ATCC 10231 NCPF 3179 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 48±4 hours
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 48±4 hours
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 48±4 hours
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	≥50% recovery compared to control at 35-37°C incubation after not more than 48±4 hours

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).