



TECHNICAL DATA SHEET

DESCRIPTION TRYPTONE SOYA AGAR (TSA), BOTTLED
SGL PRODUCT CODE 3221

A medium also known as casein soya bean digest agar designed to recover a wide range of micro-organisms. The formulation is based on the European Pharmacopoeia (EP) 2.6.12 and United States Pharmacopoeia (USP) <62>.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Pancreatic digest of casein	15.0 g
Papaic digest of soya bean	5.0 g
Sodium chloride	5.0 g
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, pale straw coloured gel
pH at 20-25°C	7.3 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 14 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>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 3 days
<i>Candida albicans</i> ATCC 2091 NCPF 3255 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 5 days
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIB 8545 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 3 days
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 3 days
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 3 days
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 3 days



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Aspergillus brasiliensis</i> ATCC 16404 NCPF 2275	Good growth compared to control at 35-37°C incubation after not more than 5 days

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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).