



## TECHNICAL DATA SHEET

**DESCRIPTION** TSA (TRYPTONE SOYA AGAR) + NEUTRALISERS, CONTACT PLATES

**SGL PRODUCT CODE** 8321

Tryptone Soya Agar (TSA) + Neutralisers, also known as casein soya bean digest agar, is a medium primarily designed to recover a wide range of micro-organisms as described in the European Pharmacopoeia (EP) 2.6.12 and United States Pharmacopeia (USP) <61>. The medium contains a variety of neutralising agents to reduce the growth inhibiting effects of a range of potentially interfering or antimicrobial substances. The 55mm diameter contact plates are intended predominantly for monitoring the bioburden of flat surfaces where disinfectant residues may be present.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	15.0 g
Enzymatic digest of soya bean	5.0 g
Sodium chloride	5.0 g
Polysorbate 80	7.0 ml
Lecithin	0.7 g
Sodium thiosulphate	6.0 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 ± 0.3

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°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>Candida albicans</i> ATCC 2091 NCPF3255	Good growth compared to control at 35-37°C incubation after not more than 2 days
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545	Good growth compared to control at 35-37°C incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903	Good growth compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	Good growth compared to control at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

DISINFECTANT NEUTRALISATION TESTS		SPECIFICATION CRITERIA
Chlorine	2%	Full or partial neutralisation
Iodine	2%	Full or partial neutralisation
Phenol	2%	Full or partial neutralisation
Quaternary ammonium	1:400	Full or partial neutralisation

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).