TECHNICAL DATA SHEET

DESCRIPTION TRYPTONE SOYA AGAR (USP) + 2% POLYSORBATE 80, BOTTLED

SGL PRODUCT CODE 3567

Tryptone Soya Agar (TSA), also known as casein soya bean digest agar, is a medium primarily designed to recover a wide range of micro-organisms as described in both the United States Pharmacopeia (USP) <61> and European Pharmacopoeia (EP) 2.6.12. The medium also contains Polysorbate 80 to reduce the growth inhibiting effects of potentially interfering or antimicrobial substances.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	15.0 g
Enzymatic digest of soybean	5.0 g
Sodium chloride	5.0 g
Polysorbate 80	20 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 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 5 days	No growth detected
Incubation at 30-35°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
Aspergillus brasiliensis ATCC 16404 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 5 days
Candida albicans ATCC 10231 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 5 days
Bacillus subtilis ATCC 6633 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
Pseudomonas aeruginosa ATCC 9027 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
Staphylococcus aureus ATCC 6538 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days

NMT = Not more than

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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).