



TECHNICAL DATA SHEET

DESCRIPTION TRYPTONE SOYA AGAR, CONTACT PLATES
SGL PRODUCT CODE 8320

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 the European Pharmacopoeia (EP) 2.6.12, United States Pharmacopoeia (USP) <61> and ISO 11133. These contact plates are intended for monitoring the bioburden of flat surfaces.

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 20-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Staphylococcus aureus</i> ATCC 6538	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Staphylococcus aureus</i> ATCC 25923	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Pseudomonas aeruginosa</i> ATCC 9027	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Bacillus subtilis</i> ATCC 6633	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Bacillus cereus</i> ATCC 11778	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Escherichia coli</i> ATCC 8739	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Escherichia coli</i> O157 NCTC 12900	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Enterococcus faecalis</i> ATCC 19433	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Listeria monocytogenes</i> ATCC 13932	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Candida albicans</i> ATCC 10231	≥70% CFU recovery compared to control at 30-35°C incubation after not more than 5 days
<i>Aspergillus brasiliensis</i> ATCC 16404	≥70% CFU recovery compared to control at 30-35°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 in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).