



TECHNICAL DATA SHEET

DESCRIPTION TSA AIRCHECK® N, 90MM PLATES
SGL PRODUCT CODE 5307

Tryptone Soya Agar (TSA) Aircheck® N 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 90mm diameter plates are triple wrapped and irradiated to ensure sterility and intended for use in cleanroom environments.

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
Polysorbate 80	5.0 ml
Lecithin	0.7 g
Histidine	1.0 g
Sodium thiosulphate	0.5 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 30-35°C for 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Staphylococcus aureus</i> ATCC 6538 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Pseudomonas aeruginosa</i> ATCC 9027 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Bacillus subtilis</i> ATCC 6633 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 3 days
<i>Candida albicans</i> ATCC 10231 NMT 100 CFU inoculum	50-200% CFU recovery compared to control at 30-35°C incubation after not more than 5 days
<i>Aspergillus brasiliensis</i> ATCC 16404 NMT 100 CFU inoculum	50-200% 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).