



TECHNICAL DATA SHEET

DESCRIPTION D/E NEUTRALISING AGAR (IRRADIATED), 90MM PLATES
SGL PRODUCT CODE 5015

D/E Neutralising Agar is a medium recommended for neutralising and testing antiseptics and disinfectants particularly in environmental samples where neutralisation of the chemical is important to determine its bactericidal activity. 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
Dextrose	10.0 g
Lecithin	7.0 g
Sodium thiosulphate	6.0 g
Polysorbate 80	5.0 g
Enzymatic digest of casein	5.0 g
Yeast extract	2.5 g
Sodium bisulphite	2.5 g
Sodium thioglycollate	1.0 g
Bromocresol purple	0.02 g
Agar	20.0 g
Purified water	1000 ml

*Product may be adjusted and/or supplemented to meet performance criteria

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque or translucent, violet coloured gel
pH at 20-25°C	7.7 ± 0.3

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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>Bacillus subtilis</i> ATCC 6633 NMT 100 CFU inoculum	50-140% CFU recovery compared to control at 35-37°C incubation after not more than 2 days
<i>Escherichia coli</i> ATCC 8739 NMT 100 CFU inoculum	50-140% CFU recovery compared to control at 35-37°C incubation after not more than 2 days
<i>Pseudomonas aeruginosa</i> ATCC 27853 NMT 100 CFU inoculum	50-140% CFU recovery compared to control at 35-37°C incubation after not more than 2 days
<i>Salmonella enteritidis</i> NCTC 5188 NMT 100 CFU inoculum	50-140% CFU recovery compared to control at 35-37°C incubation after not more than 2 days
<i>Staphylococcus aureus</i> ATCC 6538 NMT 100 CFU inoculum	50-140% CFU recovery compared to control at 35-37°C incubation after not more than 2 days

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

DISINFECTANT NEUTRALISATION TESTS	SPECIFICATION CRITERIA
Chlorine 2%	Full or partial neutralisation
Formaldehyde 0.1%	Full or partial neutralisation
Glutaraldehyde 1%	Full or partial neutralisation
Iodine 2%	Full or partial neutralisation
Mercurial 1:1000	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).