



TECHNICAL DATA SHEET

DESCRIPTION SLANETZ & BARTLEY AGAR, 55MM PLATES
SGL PRODUCT CODE 8390

Also known as mEnterococcus agar, Slanetz and Bartley agar is a medium for the detection of enterococci in water and other liquids described in ISO7899, APHA and ISO 11133. The medium was originally designed for use with the membrane filtration method, but it is also useful as a direct plating medium.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Tryptic digest of protein	20.0 g
Yeast extract	5.0 g
Glucose	2.0 g
Dipotassium hydrogen phosphate	4.0 g
Sodium azide	0.4 g
2,3,5 Tetrazolium chloride	0.1 g
Agar	12.0 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, colourless or slightly pink gel
pH at 20-25°C	7.2 ± 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
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	≥50% CFU recovery compared to control, red colonies at 34-38°C incubation after not more than 2 days.
<i>Enterococcus faecium</i> NCTC 13169 NLT 1000 CFU inoculum	≥50% CFU recovery compared to control, red colonies at 34-38°C incubation after not more than 1 day.
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NLT 1000 CFU inoculum	Total inhibition at 34-38°C incubation after not more than 2 days
<i>Staphylococcus aureus</i> ATCC 6538 NLT 1000 CFU inoculum	Total inhibition at 34-38°C incubation after not more than 2 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).