TECHNICAL DATA SHEET

DESCRIPTION MACCONKEY AGAR NO.3 (SALT + CRYSTAL VIOLET), 90MM PLATES
SGL PRODUCT CODE 8071SCV

A medium used to differentiate between coliforms and non-lactose fermenters with inhibition of Gram-positive micrococci. The medium complies with the requirements of the APHA for the examination of foods, water and wastewater.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	20.0 g
Lactose	10.0 g
Bile salts	1.5 g
Sodium chloride	5.0 g
Neutral red	0.03 g
Crystal violet	0.001 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	Transparent, pale red coloured gel
pH at 20-25°C	7.1 ± 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
Escherichia coli ATCC 8739 NCTC 12923 NCIMB 8545 NMT 100 CFU inoculum	>50% CFU recovery compared to control, pink colonies at 35-37°C incubation after not more than 1 day
Pseudomonas aeruginosa ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day.
Salmonella typhimurium ATCC 14028 NCTC 12023 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day.
Enterococcus faecalis ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after not more than 1 day
Staphylococcus aureus ATCC 6538 NCTC 10788 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after not more than 1 day

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).