



TECHNICAL DATA SHEET

DESCRIPTION MACCONKEY NO.3 AGAR, BOTTLED
SGL PRODUCT CODE 3023

A selective medium designed to recover *Escherichia coli*.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	20.0 g
Lactose	10.0 g
Bile salts no.3	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	Translucent, pale red gel
pH at 20-25°C	7.1 ± 0.2

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>Escherichia coli</i> ATCC 8739 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation for 18-24 hours. Pink colonies
<i>Pseudomonas aeruginosa</i> ATCC 27853 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after 18-24 hours
<i>Salmonella typhimurium</i> ATCC 14028 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after 18-24 hours
<i>Enterococcus faecalis</i> ATCC 19433 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after 18-24 hours
<i>Staphylococcus aureus</i> ATCC 6538 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after 18-24 hours

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).