



TECHNICAL DATA SHEET

DESCRIPTION SORBITOL MACCONKEY AGAR, 90MM PLATES
SGL PRODUCT CODE 8082

A selective and differential medium used for the detection of *Escherichia coli* O157.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of gelatin	17.0 g
Enzymatic digest of casein	1.5 g
Enzymatic digest of animal tissue	1.5 g
Sorbitol	10.0 g
Bile salts	1.5 g
Sodium chloride	5.0 g
Neutral red	0.03 g
Crystal violet	0.001 g
Agar	13.5 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 red-brown 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
<i>Escherichia coli</i> O157 NCTC 12900 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 NLT 1000 CFU inoculum	Weak or strong growth compared to control, pink colonies 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.

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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).