



TECHNICAL DATA SHEET

DESCRIPTION SORBITOL MACCONKEY AGAR + CEFIXIME + TELLURITE (CT-SMAC), 90MM PLATES
SGL PRODUCT CODE 8037

A selective and differential medium used for the detection of *Escherichia coli* O157. The medium complies with the requirements of ISO 16654 and ISO11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	20.0 g
Sorbitol	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
Potassium tellurite	0.0025 g
Cefixime	0.00005 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	Good growth compared to control. Transparent, pale yellowish brown colonies, approx. 1mm diameter at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25922 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	Partial inhibition 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.

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).