



TECHNICAL DATA SHEET

DESCRIPTION CHROMOGENIC *E. COLI* & COLIFORM AGAR, 90MM PLATES
SGL PRODUCT CODE 7686

A medium used for the simultaneous enumeration of *Escherichia coli* and coliforms in food and environmental samples. The medium has two chromogens, enabling rapid counting and differentiation of *E. coli* and coliforms using a single agar

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	20.0 g
Bile salt No. 3	1.5 g
X-glucuronide	0.075 g
Magenta – β -galactoside	0.1 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	Clear, straw coloured gel
pH at 20-25°C	7.2 \pm 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>Enterobacter aerogenes</i> NCTC 10006	Good growth compared to control, rose-pink colony at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241	Good growth compared to control, blue-green colony at 35-37°C incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903	Growth, buff colony at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	Inhibited 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).