



TECHNICAL DATA SHEET

DESCRIPTION CHROMOGENIC COLIFORM AGAR, 90MM PLATES
SGL PRODUCT CODE 8092

Chromogenic coliform agar is a selective medium for the isolation and detection of coliforms and *Escherichia coli* typically in water samples. The medium contains chromogens to enable detection of isolates by colony colour. *Escherichia coli* colonies appear dark blue to violet whereas non-*E. coli* coliforms appear as pink to red coloured colonies.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein (tryptone)	1.0 g
Yeast extract	2.0 g
Sodium chloride	5.0 g
Sodium dihydrogen phosphate	2.2 g
Disodium hydrogen phosphate	2.7 g
Sodium pyruvate	1.0 g
Sorbitol	1.0 g
Tryptophane	1.0 g
Tergitol 7	0.15 g
6-Chloro-3-Indoxyl-β-D-Galactopyranoside	0.2 g
5-Bromo-4-Chloro-3-Indoxyl-β-D-Glucuronic Acid	0.1 g
Isopropyl-β-D-thiogalactopyranoside (IPTG)	0.1 g
Agar	9.0-18.0 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 straw coloured agar
pH at 20-25°C	6.8 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected
Incubation at 42-45°C for a minimum of 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Enterobacter cloacae</i> NCIB 10101	Good growth compared to control at 35-37°C incubation after 24-48 hours with red coloured colonies.
<i>Escherichia coli</i> ATCC 8739	Good growth compared to control at 35-37°C incubation after 24-48 hours with dark blue to violet coloured colonies.
<i>Salmonella enteritidis</i> NCTC 5188	Good growth compared to control at 35-37°C incubation after 24-48 hours with colourless colonies.

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).