TECHNICAL DATA SHEET

DESCRIPTION MLGA, 90MM PLATES
SGL PRODUCT CODE 8107

Membrane Lactose Glucuronide Agar (MLGA) is a selective medium for the detection of *Escherichia coli* and coliforms from water samples. The medium contains X-glucuronide chromogen which facilitates the presumptive detection of *Escherichia coli* by the presence of green coloured colonies.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	40.0 g
Yeast extract	6.0 g
Lactose	30.0 g
Phenol red	0.2 g
Sodium lauryl sulphate	1.0 g
Sodium pyruvate	0.5 g
X-Glucuronide (BCIG)	0.2 g
Agar	10.0 g
Purified water	1000 ml

*Product may be adjusted and/or supplemented to meet performance criteria

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Red coloured gel
pH at 20-25°C	7.4 ± 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
Escherichia coli ATCC 25922	>50% CFU recovery compared to control at 35-37°C incubation after 24-48 hours. Green colonies
Enterobacter aerogenes NCTC 10006	>50% CFU recovery compared to control at 35-37°C incubation after 24-48 hours. Yellow colonies
Pseudomonas aeruginosa ATCC 27853	>50% CFU recovery compared to control at 35-37°C incubation after 24-48 hours. Pink colonies
Bacillus subtilis ATCC 6633	No growth detected at 35-37°C incubation after 24-48 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).