



TECHNICAL DATA SHEET

DESCRIPTION MEMBRANE LAURYL SULPHATE BROTH, BOTTLED
SGL PRODUCT CODE 9072

A medium for the presumptive identification of coliforms and *Escherichia coli* in water using the membrane filtration method.

The medium complies with the specification of the Microbiology of Drinking Water part 4 – Methods for the isolation and enumeration of coliform bacteria and *Escherichia coli* (including *E. coli* O157:H7) and ISO 9308 part 1.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	39.0 g
Yeast extract	6.0 g
Lactose	30.0 g
Phenol red	0.2 g
Sodium lauryl sulphate	1.0 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, red liquid
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
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIB 8545 NMT 100 CFU inoculum	≥50% CFU recovery compared to control plate, yellow colonies at 42-45°C incubation after not more than 1 day
<i>Klebsiella (Enterobacter) aerogenes</i> ATCC 13048 NCTC 10006 NMT 100 CFU inoculum	≥50% CFU recovery compared to control plate, 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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).