



TECHNICAL DATA SHEET

DESCRIPTION FLUOROCULT LAURYL SULPHATE BROTH (BOTTLED)
SGL PRODUCT CODE 3244

A medium for the presumptive identification of *Escherichia coli* in milk, foodstuffs, water and other samples, usually used as an MPN method. The presence of *E. coli* is indicated by a positive indole reaction and fluorescence under long wave UV.

The medium complies with the specification of ISO 11866-1

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	20.0 g
Lactose	5.0 g
Dipotassium hydrogen phosphate	2.75 g
Potassium dihydrogen phosphate	2.75 g
Sodium chloride	5.0 g
Sodium lauryl sulphate	0.1 g
4-methylumbelliferyl- β -D-glucuronide (MUG)	0.1 g
Tryptophan	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, yellowish liquid
pH at 20-25°C	6.8 \pm 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 25922 NCTC 12241 NMT 100 CFU inoculum	Evidence of growth plus indole positive, fluorescence positive after 35 – 37°C incubation for 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NLT 1000 CFU inoculum	No growth/poor growth plus indole positive, fluorescence negative after 35 – 37°C incubation for 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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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).