



TECHNICAL DATA SHEET

DESCRIPTION MACCONKEY BROTH EP/USP WITH DURHAM TUBES,
BOTTLED

SGL PRODUCT CODE 0523

A selective medium designed to recover *Escherichia coli*. The formulation is described in the European Pharmacopoeia (EP) 2.6.13 and United States Pharmacopeia (USP) <62>. Each product container holds an inverted Durham tube to detect the presence of gas formed from bacterial growth and fermentation.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Pancreatic digest of gelatin	20.0 g
Lactose monohydrate	10.0 g
Dehydrated ox bile	5.0 g
Bromocresol purple	0.010 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Purple liquid
pH at 20-25°C	7.3 ± 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>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum	Growth detected at 42-44°C incubation after 18-24 hours. Gas formation detected in Durham tube
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NLT 1000 CFU inoculum	No growth at 42-44°C incubation after a minimum of 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) and tested by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).

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