



TECHNICAL DATA SHEET

DESCRIPTION MACCONKEY PURPLE BROTH, DOUBLE STRENGTH,
BOTTLED

SGL PRODUCT CODE 0526

A selective medium also known as MacConkey broth designed to recover *Escherichia coli*. The formulation is described in the European Pharmacopoeia (EP) 2.6.13 and United States Pharmacopoeia (USP) <62>.

Double strength medium for examination of larger volumes of sample.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of gelatin	40.0g
Bile salts	10.0g
Lactose monohydrate	20.0g
Bromocresol purple	0.02g
Purified water	1000ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Purple liquid with Durham's tube
pH at 20-25°C	7.3 ± 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 acid and gas production after 30 – 35°C incubation for 2 days
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum	Evidence of growth plus acid and gas production after 30 – 35°C incubation for 2 days
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum	Evidence of growth plus acid and gas production after 42 – 44°C incubation for 1 day
<i>Enterobacter cloacae</i> ATCC 13047 NCIMB 10101 NCTC 10005 NMT 100 CFU inoculum	Evidence of growth plus acid and gas production after 30 – 35°C incubation for 2 days
<i>Klebsiella pneumoniae</i> ATCC 13883 NMT 100 CFU inoculum	Evidence of growth plus acid and gas production after 30 – 35°C incubation for 2 days

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GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Proteus mirabilis</i> ATCC 14273 NMT 100 CFU inoculum	Evidence of growth but no acid or gas production after 30 – 35°C incubation for 2 days
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	Evidence of growth but no acid or gas production after 30 – 35°C incubation for 2 days
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NLT 1000 CFU inoculum	No evidence of growth after 42 – 44°C incubation for 2 days

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).