



TECHNICAL DATA SHEET

DESCRIPTION MACCONKEY BROTH (ANDRADE'S INDICATOR) + DURHAM TUBE, D/S, BOTTLED

SGL PRODUCT CODE 0522

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

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic digest of animal tissue	40.0g
Sodium chloride	10.0g
Oxgall (Ox bile)	10.0g
Lactose	20.0g
0.5 % Andrade's indicator (acid fuchsin)	25.0ml
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, buff-coloured liquid with Durham's tube
pH at 20-25°C	7.5 ± 0.3

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 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum	Evidence of acid and gas production after 35 – 37°C incubation for 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NLT 10000 CFU inoculum	No evidence of acid production after 35 – 37°C incubation for 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.

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).

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