



## TECHNICAL DATA SHEET

**DESCRIPTION**           MACCONKEY AGAR EP/USP, 27ML FILL, 90MM PLATES  
**SGL PRODUCT CODE** 8424

A selective medium designed to recover *Escherichia coli* and other coliforms. The formulation meets the requirements of MacConkey Agar as described in the European Pharmacopoeia (EP) 2.6.13 and United States Pharmacopoeia (USP) <62>. There is a deeper fill volume per plate than standard 90mm plates.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Pancreatic digest of gelatin	17.0 g
Peptones from meat and casein	3.0 g
Lactose	10.0 g
Sodium chloride	5.0 g
Bile salts	1.5 g
Neutral red	0.03 g
Crystal violet	0.001 g
Agar	13.5 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, dark pink to red coloured agar
pH at 20-25°C	7.1 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 30-35°C for a minimum of 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 WDCM 00012 NMT 100 CFU inoculum	Not less than 50% CFU recovery compared to control at 30-35°C incubation after not more than 18 hours. Colonies appear pink coloured.

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).

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