

PRODUCT SPECIFICATION

MACCONKEY AGAR NO. 3

PO0495A

Typical Formula*

	grams per litre
Peptone	20.0
Lactose	10.0
Bile salts No.3	1.5
Sodium chloride	5.0
Neutral red	0.03
Crystal violet	0.001
Agar	15.0

*adjusted as required to meet performance standards

Preparation

Suspend MacConkey agar No.3 (51.5 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format

Ten 90mm plates, wrapped in a single nylon-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	7.1 ± 0.2
Colour	Dark red
Clarity	Clear
Fill weight	19.0 ± 2.0g

Packaging and presentation

General appearance of packaging and label should be satisfactory. Label data should be correct.

Contamination Check

Macroscopic examination should show no evidence of microbial growth after incubation at 30-34°C for ≥ 72 hours.

Microbiological Tests Using Optimum Inoculum Dilution**Results after incubation at 35-39°C for 18-24 hours**Positive controls

Inoculum 10-100 colony forming units

<i>Shigella sonnei</i>	ATCC® 25931	Straw colonies
<i>Escherichia coli</i>	ATCC® 25922	Red colonies and bile precipitation

Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Negative control

Inoculum 10,000-100,000 colony forming units

Enterococcus faecalis ATCC® 29212 No growth

Inoculum determined on the control medium (Tryptone Soya Agar).

Storage conditions

Store away from the light between 2-10°C.

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