

## OXOID PRODUCT SPECIFICATION

MACCONKEY AGAR (EP, USP, JP, BP)

PO1142A

### Typical Formula

	grams per litre
Gelatin peptone	17.0
Casein peptone	1.5
Meat peptone	1.5
Lactose	10.0
Sodium chloride	5.0
Bile salts	1.5
Crystal violet	0.001
Neutral red	0.03
Agar	13.5

### Preparation

Suspend MacConkey Agar (50 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

### Format

Ten 90mm plates, wrapped in a single cellulose-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

#### Physical Tests

pH	7.1 ± 0.2
Colour	Dark Red
Clarity	Clear
Fill weight	19.5g ± 1.0g

### Packaging and presentation:

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

### Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

## Microbiological Tests Using Optimum Inoculum Dilution

### Results after incubation at 30-35°C for 18 - 24 hours

#### Positive controls

Inoculum 10-100 colony forming units

<i>Salmonella typhimurium</i>	ATCC® 14028	Straw colonies
<i>Escherichia coli</i>	ATCC® 8739	Dark pink colonies

Colony counts shall be equal to or greater than 50% of the control medium.

#### Negative controls

Inoculum 10,000-100,000 colony forming units

<i>Enterococcus faecalis</i>	ATCC® 29212	Partial to complete inhibition
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### Storage conditions

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