

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.

The Microbiological Quality Control of this product complies with the following Pharmacopoeias;
British Pharmacopoeia 2005
European Pharmacopoeia 6th Edition 2008
The Japanese Pharmacopoeia JP 15 2006
The United States Pharmacopoeia USP 32 2009