

PRODUCT SPECIFICATION

OXOID MACCONKEY AGAR (EP, USP, JP, BP)

PO1142A

Typical Formula*

	grams per litre
Gelatin peptone	17.0
Lactose	10.0
Sodium chloride	5.0
Casein peptone	1.5
Meat peptone	1.5
Bile salts	1.5
Crystal violet	1 mg
Neutral red	30 mg
Agar	13.5

*adjusted as required to meet performance standards

Preparation

Suspend MacConkey Agar (50.0 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 nylon 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 30 - 35°C for 18 hours

Positive controls

Inoculum 10 - 100 colony forming units

<i>Salmonella</i> Typhimurium	ATCC® 14028	Straw colonies
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Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Negative controls

Inoculum 10,000 - 100,000 colony forming units

<i>Enterococcus faecalis</i>	ATCC®29212	Partial to complete inhibition
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Inoculum 10 - 100 colony forming units

Tested in accordance with the harmonised methods described in the current European, United States and Japanese pharmacopoeias for the detection of specified microorganisms in non-sterile products.

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

Positive controls

Inoculum 10 - 100 colony forming units

<i>Escherichia coli</i>	ATCC®8739	Dark pink colonies
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Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Storage conditions

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

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