

OXOID PRODUCT SPECIFICATION

MACCONKEY BROTH (EP, USP, JP, BP)

BO1124M

Typical Formula

	grams per litre
Gelatin peptone	20.0
Lactose	10.0
Bile salts	5.0
Bromcresol purple	0.01

Preparation

Suspend MacConkey Broth (35 grams / litre) in de-ionised water. Heat to dissolve. Cool and dispense 100ml into final containers, 125ml sirop bottles. Sterilise at 121°C for 15 minutes. When cooled, label each bottle and pack in units of 10 in labelled boxes.

Format

Ten sirop bottles with screw cap closures in a box.

Labels

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

Physical Characteristics

Physical Tests

pH	7.3 ± 0.2
Colour	Purple
Clarity	Clear
Fill weight	100.0g + 1.5g

Packaging and presentation:

General appearance of bottle 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 42-44°C for 18-24 hours

Positive controls

Inoculum 10-100 colony forming units.

<i>Escherichia coli</i>	ATCC [®] 25922	Yellow, turbid broth
<i>Escherichia coli</i>	ATCC [®] 8739	Yellow, turbid broth

Negative controls

Inoculum 10,000-100,000 colony forming units

<i>Enterococcus faecalis</i>	ATCC [®] 29212	No growth
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Results after incubation at 42-44°C for 36-48 hours

<i>Staphylococcus aureus</i>	ATCC [®] 6538	No growth
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Storage conditions

Store away from light between 2-25°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