

MACCONKEY BROTH, PH EUR - USP

A selective and differential medium for the detection of coliforms according to PH EUR (Broth Medium G – Harmonised).

Dehydrated media	
Code number:	500 g: MBE20500, 5 kg: MBE25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **35 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes fitted with Durham tube and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: MBE30100, 500 ml: MBE30500
Tubed media:	150 x 15 mm: MBE40010 (10 ml)
Colour:	Purple
pH (25 °C):	7,2 – 7,4

Direction: Dispense the bottled media aseptically into sterile test tubes fitted with Durham tube. Media in tubes are ready to use.

FORMULA in g/l

Gelatin peptone	20,00
Bacteriological bile	5,00
Lactose x 1 H ₂ O	10,00
Bromocresol purple	0,01

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, with gas production, colour change to yellow	
<i>Proteus mirabilis</i>	ATCC 29906	Good, without gas production and colour change	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: European Pharmacopoeia

In vitro diagnostic – for professional use only!