MACCONKEY AGAR, PH EUR - USP

A selective and differential medium for the detection of coliforms and enteric pathogens according to PH EUR (Agar Medium H - Harmonised).

Dehydrated media	
Code number:	500 g: MCE20500, 5 kg: MCE25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction: Suspend **50 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: MCE30100, 500 ml: MCE30500
Plated media:	55 mm: MCE50055, 90 mm: MCE50090
Colour:	Purplish red
pH (25 °C):	7,0 – 7,2

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Gelatin peptone	17,000
Casein peptone	1,500
Meat peptone	1,500
Bile salts	1,500
Lactose monohydrate	10,000
Sodium chloride	5,000
Neutral red	0,030
Crystal violet	0,001
Agar	13,500

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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Escherichia coli	ATCC 25922	Good, purplish red colonies with precipitate halo	
Proteus mirabilis	ATCC 29906	Good, colourless colonies without swarming	
Enterococcus faecalis	ATCC 29212	Inhibited	

References: European Pharmacopoeia

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