

MACCONKEY AGAR No.3

A selective and differential medium for the detection of coliforms and enteric pathogens.

Dehydrated media	
Code number:	500 g: MCA20500, 5 kg: MCA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 - 7,3

Direction: Suspend **52 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: MCA30100, 500 ml: MCA30500
Plated media:	55 mm: MCA50055, 90 mm: MCA50090
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

Peptones	20,500
Bile salts No.3	1,500
Lactose	10,000
Sodium chloride	5,000
Neutral red	0,030
Crystal violet	0,001
Agar	15,000

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
<i>Escherichia coli</i>	ATCC 25922	Good, purplish red colonies with precipitate halo	
<i>Proteus mirabilis</i>	ATCC 29906	Good, colourless colonies without swarming	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: MacConkey (1900) The Lancet

In vitro diagnostic – for professional use only!