

MACCONKEY AGAR WITHOUT CRYSTAL VIOLET

A selective and differential medium for the detection of coliforms and enteric pathogens as well as some *Staphylococcus* spp.

Dehydrated media	
Code number:	500 g: MWC20500, 5 kg: MWC25000
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: MWC30100, 500 ml: MWC30500
Plated media:	55 mm: MWC50055, 90 mm: MWC50090
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
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>Staphylococcus aureus</i> ATCC 29213		Moderate, colourless colonies	
<i>Enterococcus faecalis</i> ATCC 29212		Inhibited	

References: MacConkey (1900) The Lancet

In vitro diagnostic – for professional use only!