

MACCONKEY AGAR

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

Dehydrated media	
Code number:	500 g: MCD20500, 5 kg: MCD25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 - 7,6

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: MCD30100, 500 ml: MCD30500
Plated media:	55 mm: MCD50055, 90 mm: MCD50090
Colour:	Red
pH (25 °C):	7,3 - 7,5

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

FORMULA in g/l

Peptones	20,000
Bacteriological bile	5,000
Lactose	10,000
Sodium chloride	5,000
Neutral red	0,075
Agar	12,000

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, red colonies	
<i>Proteus mirabilis</i>	ATCC 29906	Good, colourless colonies without swarming	
<i>Staphylococcus aureus</i>	ATCC 29213	Medium, pink colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Medium, red colonies	

References: MacConkey (1900) The Lancet

In vitro diagnostic – for professional use only!