

M-FC AGAR

A selective and differential medium for the detection and enumeration of faecal coliforms by membrane filtration.

Dehydrated media	
Code number:	500 g: MFC20500, 5 kg: MFC25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,2 – 7,6

Direction: Suspend **50 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 115 °C for 15 minutes. Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media bases:	100 ml: MFC30100, 500 ml: MFC30500
Plated media:	55 mm: MFC50055, 90 mm: MFC50090
Colour:	Reddish purple
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	18,0
Bile salts	1,5
Lactose	12,3
Sodium chloride	5,0
Aniline blue	0,1
Rosolic acid	0,1
Agar	13,0

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, blue colonies with blue halo	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, red colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

References: Geldreich et al. (1965) J. Am. Water Works Assoc. 57: 208.

For professional use only!