

## M-FC AGAR BASE

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

<b>Dehydrated media</b>	
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 **26 g** in 500 ml of distilled water and heat with frequent agitation until the medium becomes transparent (about 90 °C). Add the content of **one vial of Rosolic Acid Supplement (RAS80005)** reconstituted with 5 ml of sterile distilled water. Continue heating with frequent agitation until the medium boils well. Mix well before pouring.

### Warning!

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

<b>Prepared media</b>	
Bottled media bases:	100 ml: MFC30100, 500 ml: MFC30500
Plated media:	55 mm: MFC50055, 90 mm: MFC50090
Colour of bottled media bases:	Dark blue
Colour of plated media:	Reddish purple
pH (25 °C):	7,3 – 7,5

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense 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	12,4
Sodium chloride	5,0
Aniline blue	0,1
Agar	15,0

**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:

<b>Test strains</b>	Incubation temp: 37 °C	<b>Growth</b>	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, blue colonies	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, pinkish - reddish colonies	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

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

**In vitro diagnostic – for professional use only!**