

## M-FC BROTH 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: MFB20500, 5 kg: MFB25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,2 - 7,6

**Direction:** Suspend **18,5 g** in 500 ml of distilled water. Add the content of **one vial of Rosolic Acid Supplement (RAS80005)** reconstituted with 5 ml of sterile distilled water. Mix well and heat with frequent agitation until the medium boils well.

**Warning!**

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

<b>Prepared media</b>	
Bottled media bases:	100 ml: MFB30100, 500 ml: MFB30500
Tubed media:	100 x 12 mm: MFB40002 (2 ml)
Colour of bottled media bases:	Dark blue
Colour of tubed media:	Reddish purple
pH (25 °C):	7,3 - 7,5

**Direction:** Supplement the bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile test tubes. Media in tubes 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

**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 and tubed 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, colour change to blue	
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colour change to grey	
<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!**