

M-FC BROTH

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

Dehydrated media	
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 **37 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise at 115 °C for 15 minutes.

Warning!

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

Prepared media	
Bottled media bases:	100 ml: MFB30100, 500 ml: MFB30500
Tubed media:	150 x 15 mm: MFB40010 (10 ml)
Colour:	Reddish purple
pH (25 °C):	7,3 – 7,5

Direction: Dispense the bottled media aseptically into sterile final containers. 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
Rosolic acid	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:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i>	ATCC 25922	Good, colour change to blue	
<i>Salmonella typhimurium</i>	ATCC 14028	Good without colour change	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

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

For professional use only!