

MANNOSE BROTH BASE

Non-selective medium for the detection of *Salmonella* spp. by the accelerated enrichment serological (ES) method.

Dehydrated media	
Code number:	500 g: MNB20500, 5 kg: MNB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 – 7,2

Direction: Suspend **35 g** in one litre of distilled water. Add **1 ml of TWEEN 80 Supplement (TWS80100)**. Mix well and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: MNB30100, 500 ml: MNB30500
Tubed media:	150 x 15 mm: MNB40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,9 – 7,1

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Peptones	17,000
D-Mannose	2,000
Sodium chloride	5,000
Sodium citrate	5,000
Magnesium sulphate	0,800
Manganese chloride	0,140
Ferrous sulphate	0,040
Buffers	5,000

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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Salmonella typhimurium</i> ATCC 14028		Good	

References: Sperber and Diebel (1969) Appl. Microbiol. 17: 533.

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