

TECHNICAL SHEET

B577	M-BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		12.50			
Yeast extract		5.00			
D-Mannose		2.00			
Sodium chloride		5.00			
Sodium citrate		5.00			
Dipotassium phosphate		5.00			
Manganese chloride		0.14			
Magnesium sulphate		0.80			
Ferrous sulphate		0.04			
Polysorbate 80		0.75			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 36.23 gms. in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate, yeast extract provides organic nitrogen, carbon, sulphur, vitamins and trace elements essential for the growth of Salmonella species. Mannose is the fermentable sugar and energy source and it prevents fimbrial agglutination of Salmonella. The inorganic salts stimulate bacterial growth while polysorbate 80 supplies fatty acids.					
QC Tests - (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 6-8 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Salmonella choleraesuis (12011)		Luxuriant			
Salmonella enteritidis (13076)		Luxuriant			
Salmonella paratyphi A		Luxuriant			
Salmonella paratyphi B		Luxuriant			
Salmonella typhi (6539)		Luxuriant			
Salmonella typhimurium (14028)		Luxuriant			
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :	For detecting Salmonella in foods and feeds by the accelerated enrichment serology procedures.				
Storage :	Dehydrated medium and prepared medium- Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B577	36.23g/l	13.80L	7.0 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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