

TECHNICAL SHEET

B873	M-ENRICHMENT BROTH					
Formula						
Ingredients :		gms/lit.				
Proteose peptone		40.00				
Yeast extract		6.00				
Dipotassium hydrogen phosphate		3.00				
Sodium chloride		5.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 54 gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Proteose peptone and yeast extract supply the nitrogenous nutrients like amino acids, peptides, vitamin B ₁ , trace ingredients etc. to the growing organisms. Dipotassium phosphate buffers the medium while sodium chloride maintains the osmotic balance.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light beige				
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				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Salmonella typhi (6539)		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 estimation of bacterial counts by membrane filter technique and for preliminary enrichment of organisms on membrane filter prior to using selective media.						
Storage :						
Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.						
Packing :						
500 gm bottle						
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B873		54g/l	9.259L	7.0 ± 0.2	nil	121°C / 15 minutes

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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