

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B864	M-STANDARD METHODS BROTH/					
Formula						
Ingredients :		gms/lit.				
Casein enzymichydrolysate		10.00				
Yeast extract		5.00				
Dextrose		2.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 17 gms in 1000ml distilled water.Boil with frequent agitation to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
M-Standard Methods Broth has similar composition as plate count agar except agar and other ingredients are in double quantity. Casein enzymichydrolysate and beef extract or yeast extract provide the essential nutrients like amino acids, minerals and trace growth factors. Dextrose serves as the carbon source.						
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				
(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				
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 enumeration of bacteria in milk and other samples of sanitary importance in dairy industries by membrane filter technique.				
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
B864	17g/l		29.14L	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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