

BIOMARK Laboratories-INDIA
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TECHNICAL SHEET

B854	M₂ AGAR					
Formula						
Ingredients :		gms/lit.				
Sodium chloride		10.00				
Yeast extract		5.00				
Monopotassium phosphate		0.10				
Magnesium sulphate		0.05				
Dextrose		10.00				
Agar		15.00				
Final pH (at 25°C) : 7.1± 0.2						
Directions :						
Suspend 40.15 gms.in 1000 ml. distilled water. Contaning 132ml. glycerine heat to boiling to dissolve the medium completely. Dispense as desired & sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Yeast extract provides essential nutrients and amino acids. Dextrose is the source of carbohydrates. Sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.1 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus subtilis (6633)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
Lactobacillus casei (9595)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Streptococcus pyogenes (19615)		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 :		A semisynthetic culture medium used as a general purpose plate count agar.				
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
B854		40.15g/l	12.453L	7.0 ± 0.2	NIL	121 ⁰ 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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