

BIOMARK Laboratories-INDIA
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TECHNICAL SHEET

B654	NUTRIENT AGAR pH 6.8					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Meat extract B#		3.00				
Agar		15.00				
# - Equivalent to Beef extract						
Final pH (at 25°C) :		6.8 ± 0.2				
Directions :						
Suspend 23 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired, the medium can be enriched with 5-10% v/v sterile defibrinated blood.						
Principle :						
Meat extract B contains vitamins, organic nitrogen compounds, salts and little carbohydrates. Peptic digest of animal tissue provide amino acids and long chain peptides for the organisms. Agar is the solidifying agent.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Salmonella typhi (6539)		Luxuriant				
Salmonella enteritidis (13076)		Luxuriant				
Salmonella typhimurium (14028)		Luxuriant				
Shigella flexneri (12022)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Enterococcus faecalis (29212)		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 :		B654: As a general purpose medium for examination of water, sewage, faeces and other materials.				
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
B654		23g/l	21.73L	6.8 ± 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 BIOMARK LABORATORIES publications. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

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