

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B065	TRYPTONE YEAST EXTRACT AGAR					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		6.00				
Yeast extract powder		3.00				
Agar		12.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 21 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 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 18 - 24 hrs. at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Enterobacter aerogenes (13078)		Luxuriant				
Salmonella enteritidis (13076)		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 estimation of microbial counts in water.				
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
B065	21g/l	23.809L	7.2 ± 0.2	NIL	121°C /15 min.	

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.

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