

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1063	HIGH SALT PEPTONE YEAST EXTRACT AGAR					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Meat extract B#		2.00				
Yeast extract		6.00				
Sodium chloride		30.00				
L-cysteine hydrochloride		0.30				
Glucose (Dextrose)		2.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 65.3 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 :						
Peptic digest of animal tissue, beef extract, yeast extract provide all essential growth nutrients. Glucose is the energy source. Cultures from primary enrichment should be streaked on this medium for confirmation of Vibrio species.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24-48 hrs.at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Vibrio parahaemolyticus (17802)		Luxuriant				
Vibrio cholerae (15748)		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 confirmation of Vibrio species.						
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
B1063		65.3 g/l	7.65 L	7.5± 0.2	Nil	121°C/15min.

Disclaimer:

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