

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1055	HALOPHILIC AGAR				
Formula	B1055				
Ingredients:	gms/lit.				
Casein acid hydrochloride	10.00				
Yeast extract	10.00				
Proteose peptone	5.00				
Trisodium citrate	3.00				
Potassium chloride	2.00				
Magnesium sulphate	25.00				
Sodium chloride	250.00				
Agar	20.00				
Final pH (at 25°C) : 7.2 ± 0.2					
Directions:					
Suspend 32.5 grams in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle:					
Halophilic media contains casein acid hydrolysate, proteose peptone and yeast extract which provide all the necessary nutrients, mainly nitrogenous and vitamins to the halophilic bacteria. Trisodium citrate is added to avoid the losses. Magnesium is an essential ion for the growth of extreme halophiles and is incorporated in the medium as magnesium sulphate.					
QC Tests – (I)Dehydrated Medium					
Colour :	Offwhite to yellow				
Appearance:	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating):	7.2 ± 0.2				
Colour (post autoclaving/heating):	Amber				
Clarity (post autoclaving/heating):	Slightly opalescent gel				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 12 days at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH				
Halococcus morrhuae (17082)	Luxuriant				
Halobacterium salinarium (33171)	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 isolation and cultivation of extremely halophilic bacteria.				
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
B1055	325 g/l	1.538	7.2 ± 0.2	Nil	121°C/15min.

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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