

TECHNICAL SHEET

B536	HYA AGAR				
Formula					
Ingredients :		gms/lit.			
Beef extract		1.00			
Proteose peptone		10.00			
Dextrose		2.50			
Galactose		2.50			
Lactose		5.00			
Agar		15.00			
Final pH (at 25°C): 6.8 ± 0.2					
Directions :					
Suspend 36 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Beef extract and proteose peptone provides necessary nitrogenous nutrients required for growth of two species. The sugars dextrose, galactose, lactose serve as energy sources.					
QC Tests - (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours					
MICROORGANISM (ATCC)		GROWTH			
Lactobacillus bulgaricus (11842)		Luxuriant			
Streptococcus thermophilus (14485)		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 :	It is used for differentiation of Lactobacillus bulgaricus and Streptococcus thermophilus on the basis of colony morphology from yoghurt cultures.				
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
B536	36.0 g/l	13.88 L	6.8 ± 0.2	Nil	121°C / 20 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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