

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B135	CASEIN HYDROLYSATE AGAR (W/AGAR 1.5%)				
Formula					
Ingredients :					
	gms/lit.				
Casein enzyme hydrolysate	5.00				
Meat Infusion from#	150.00				
Peptic digest of animal tissue	5.00				
Sodium phosphate	2.50				
Sodium chloride	5.00				
Yeast autolysate	1.50				
Agar	15.00				
# Equivalent to beef infusion from					
Final pH (at 25°C) : 7.8± 0.2					
Directions :					
Suspend 35.5 gms. in 1000 ml. distilled water containing 22 ml. glycerol. Heat to boiling to dissolve medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzyme hydrolysate, beef infusion, peptic digest of animal tissue and yeast autolysate provide essential nitrogen, carbon and growth promoting factors. Sodium chloride maintains osmotic balance and sodium phosphate acts as buffering agent. Agar is solidifying agent.					
QC Tests – (I) Dehydrated Medium					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.8 ± 0.2			
	Colour (post autoclaving/heating) :	Light to medium 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			
	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 :					
Recommended as a general purpose culture medium.					
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
B135	35.5g/l	14.08L	7.8 ± 0.2	glycerol.	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 BIOMARKLABORATORIES publications.

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