BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B136	**CASEIN HYDROLYSATE AGAR (W/AGAR 2.5%)**
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	25.00
# Equivalent to beef infusion from	
Final pH (at 25°C) : 7.8 ± 0.2	
Directions :	
Suspend 45.5 grams in 1000 ml distilled water containing 22 ml glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs 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 yellow
	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	
	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 :	It is used for large scale cultivation of Vibrio cholerae for production of cholera vaccine.
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
B136	45.5g/l	10.99 L	7.8 ± 0.2	glycerol.	121^0C / 15 minutes