

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1160	CLOSTRIDIUM BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Casein peptone		15.00			
Meat Extract		10.00			
Yeast Extract		5.00			
Sodium acetate		5.00			
L-Cysteine		0.50			
Final pH (at 25°C) : 6.0 ± 0.2					
Directions :					
Suspend 35.5gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Add 10 ml of 50% sodium lactate. Cool at 45-50°C. Mix well and dispense into tubes. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein peptone, meat extract, yeast extract provides the essential nutrients mainly the nitrogen compounds. L-cysteine promotes the growth of clostridial species by maintaining a low oxygen tension in the medium					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	6.0 ± 0.2			
	Colour (post autoclaving/heating) :	Yellowish brown			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed under anaerobic condition after an incubation at 35-37°C for upto 7 days.				
	MICROORGANISM (ATCC)	GROWTH	Gas		
	Clostridium perfringens (10543)	Luxuriant	Positive reaction		
	Clostridium tyrobutyricum (25755)	Luxuriant	Positive reaction		
	Escherichia coli (25922)	Good	Variable reaction		
	Pseudomonas aeruginosa (27853)	Inhibited	-		
	Staphylococcus aureus (25923)	Good	Negative reaction		
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 identification of spores of Clostridium tyrobutyricum.				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1160	35.5g/l	14.09L	6.0 ± 0.2	Sodium lactate	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 BIOMARK LABORATORIES publications.

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