

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B202	HEART INFUSION BROTH					
Formula						
Ingredients :			gms/lit.			
Meat heart, infusion from#			500.00			
Tryptose			10.00			
Sodium chloride			5.00			
#- Equivalent to Beef heart, infusion from						
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 25 grams in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired 5% v/v sterile defibrinated blood may be added. Mix well and dispense as desired.						
Principle :						
Tryptose and Meat heart infusion provide nutritional requirements for the pathogenic bacteria. Sodium chloride maintains the osmotic equilibrium of the medium.						
QC Tests – (I)Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
pH (post autoclaving/heating) :			7.4 ± 0.2			
Colour (post autoclaving/heating) :			a) Basal medium : light yellow b) With addition of blood : Cherry red			
Clarity (post autoclaving/heating) :			Opaque			
(III)Q.C. Test Microbiological						
Cultural characteristics observed with added 5-7% w/v sterile defibrinated blood, after an incubation at 35-37°C for 18-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Good - luxuriant				
Neisseria meningitidis (13090)		Good - luxuriant				
Streptococcus pneumoniae (6303)		Good - luxuriant				
Streptococcus pyogenes (19615)		Good - luxuriant				
Staphylococcus aureus (25923)		Good - 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 a wide variety of fastidious organisms.				
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
B202	25.0 g/l	20.00 L	7.4 ± 0.2	5% sterile defibrinated blood	121°C/15min.	

Disclaimer:

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