

TECHNICAL SHEET

B121	BRAIN HEART INFUSION BROTH				
Formula					
Ingredients :		gms/lit.			
Meat brain infusion powder		12.50			
BHI powder		5.00			
Proteose peptone		10.00			
Dextrose (Glucose)		2.00			
Sodium chloride		5.00			
Disodium phosphate		2.50			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 37.0 grams in 1000 ml distilled water. Dispense into bottles or tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For best results, the medium should be used on the day it is prepared, otherwise, it should be boiled or steamed for a few minutes and then cooled before use.					
Principle :					
Proteose peptone, Meat brain infusion powder and BHI powder serve as sources of carbon, nitrogen, essential growth factors, amino acids and vitamins. Dextrose serves as a source of energy. Disodium phosphate helps in maintaining the buffering action of the medium whereas sodium chloride maintains the osmotic equilibrium of the medium. With the addition of 10 % defibrinated sheep blood, it is useful for isolation and cultivation of Histoplasma capsulatum					
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) :		Light yellow to medium Amber			
Clarity (post autoclaving/heating) :		Clear			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 24 –48 hrs at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Neisseria meningitidis (13090)		good-luxuriant			
Streptococcus pneumoniae (6303)		good-luxuriant			
Streptococcus pyogenes (19615)		good-luxuriant			
Staphylococcus aureus (25923)		good-luxuriant			
Candida albicans (10231)		good-luxuriant			
Enterococcus faecalis (29212)		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 propagation of pathogenic cocci and other fastidious organisms associated with blood culture work and allied pathological investigation.			
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
B121		37g/l	13.513L	7.4 ± 0.2	NIL
					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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