

TECHNICAL SHEET

B120	BRAIN HEART INFUSION AGAR (W/AGAR 1%)		
Formula			
Ingredients :		gms/lit.	
Calf 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		
Agar	10.00		
Final pH (at 25°C) : 7.4 ± 0.2			
Directions :			
Suspend 47.0 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well before pouring. If desired, 20 units Penicillin and 40 µg Streptomycin per ml of medium may be added to make the medium selective for fungi			
Principle :			
Infusion from Beef Heart, Calf Brains and Proteose Peptone provide nitrogen, carbon, sulfur and vitamins in Brain Heart Infusion media. Dextrose is a carbon energy source that facilitates organism growth, Sodium Chloride maintains the osmotic balance of the medium. Disodium Phosphate is a buffering agent. 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) :	Basal medium: Light amber After addition of 5% v/v sterile defibrinated blood: Cherry red	
	Clarity (post autoclaving/heating) :	Basal medium: Clear to slightly opalescent gel. After addition of 5% v/v sterile defibrinated blood: opaque gel forms in Petri plates.	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours (If desired add 5% v/v sterile defibrinated blood).		
	MICROORGANISM (ATCC)	GROWTH	GROWTH W/ BLOOD
	Streptococcus pneumoniae (6303)	luxuriant	luxuriant
	Staphylococcus aureus (25923)	luxuriant	luxuriant
	Candida albicans (26790)	luxuriant	luxuriant
	Escherichia coli (25922)	luxuriant	luxuriant
	Shigella flexneri (12022)	luxuriant	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.		

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Use :	Recommended for cultivation of fastidious pathogenic bacteria, yeasts and moulds..				
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
B120	47 g/l	10.638L	7.4 ± 0.2	5% v/v sterile defibrinated blood or 20 units Penicillin and 40 microgram Streptomycin if desired	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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