

TECHNICAL SHEET

B1492	BRAIN HEART INFUSION AGAR					
Formula						
Ingredients:		gms/lit.				
Brain, infusion solids		12.50				
Beef heart infusion solids		5.00				
Pepto complex		10.00				
Glucose		2.00				
Sodium chloride		5.00				
Disodium Hydrogen phosphate		2.50				
Agar		15.00				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 52 g in 1000 ml. distilled water. Heat to boiling, 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 :						
Brain, infusion solids, Beef heart infusion solids, Pepto complex provide nitrogen, carbon, sulfur and vitamins in Brain Heart Infusion media. Glucose is carbon energy source that facilitates organism growth, Sodium Chloride maintains the osmotic balance of the medium. Disodium Phosphate is a buffering agent.						
QC Tests - (I)Dehydrated Medium						
Colour :		Pale yellow 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 to slight opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs at 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		luxuriant				
Streptococcus pneumoniae (6303)		luxuriant				
Streptococcus pyogenes (19615)		luxuriant				
Staphylococcus aureus (25923)		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 :		General purpose medium for the cultivation of fastidious, non-fastidious, aerobic and anaerobic bacteria as per ISO : 6888-1				
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
B1492	52g/l	9.61 L	7.4 ± 0.2	NIL	121 ⁰ C / 15 minutes	

Refer disclaimer Overleaf

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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