

B435		BRAIN HEART INFUSION BROTH/W 6.5% NaCl				
Formula						
Ingredients :		gms/lit.				
Calf brain,infusion from		200.00				
Beef infusion from		250.00				
Proteose peptone		10.00				
Dextrose		2.00				
Sodium chloride		65.00				
Disodium phosphate		2.50				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 97 gms 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 :						
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. Salt acts as a differential or selective agent by interfering with membrane permeability and osmotic and electrokinetic equilibria in salt intolerant organisms.						
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				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Neisseria meningitidis (13090)		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 :		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
B435		97g/l	5.154L	7.4 ± 0.2	NIL	121°C / 15 minutes