

<b>B437</b>	<b>BRAIN HEART INFUSION WITH PABA</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Calf brain,infusion from		200.00				
Beef heart infusion from		250.00				
Proteose peptone		10.00				
Sodium chloride		5.00				
Dextrose		2.00				
Disodium phosphate		2.50				
p-Amino benzoic acid (PABA)		0.05				
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
Suspend 37 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to light beige				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to light amber				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 –24 hrs at 35-37°C in presence of added 0.5 gms. sulphadiazine per litre.						
MICROORGANISM (ATCC )		GROWTH				
*Candida albicans (10231 )		Good – luxuriant				
Streptococcus pyogenes (19615)		Good – luxuriant				
*Bacteroides fragilis (25285 )		Good – luxuriant				
Streptococcus pneumoniae (6303)		Luxuriant				
Neisseria meningitidis (13090)		Luxuriant				
Key						
: * = incubated anaerobically.						
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		<b>B437:</b> For examination of blood from patients under sulphonamide therapy.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B437</b>		37g/l	13.513L	7.4 ± 0.2	NIL	121°C / 15 minutes