

<b>B436</b>		<b>BRAIN HEART INFUSION BROTH/W 3.0% AGAR</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Calf brain,infusion from		200.00				
Beef infusion from		250.00				
Proteose peptone		10.00				
Dextrose		2.00				
Sodium chloride		5.00				
Disodium phosphate		2.50				
Agar		30.00				
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
Suspend 67 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Proteose peptone and infusions (Calf brain Beef heart) 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.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Candida albicans (10231)		luxuriant				
Escherichia coli (25922)		luxuriant				
Shigella flexneri (12022)		luxuriant				
Staphylococcus aureus (25923)		luxuriant				
Streptococcus pneumoniae (6303)						
<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>		For cultivation of microorganisms when 3.0% agar gel is desired.				
<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>B436</b>		67 g/l	7.46L	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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