

<b>B433</b>	<b>BRAIN HEART CC 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			
Chloramphenicol		0.05			
Cycloheximide		0.50			
Agar		15.00			
Final pH (at 25°C) : 7.4 ± 0.2					
<b>Directions :</b>					
Suspend 52.5 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Avoid excess heat as it may reduce the selectivity of the medium.					
<b>Principle :</b>					
Brain Heart CC Agar is formulated as per Ajello, et al and McDnough, et al. Chloramphenicol and Cycloheximide are included in the formulation as selective agents to restrict growth of bacteria and saprophytic yeasts and moulds. It may further be enriched with 10% sheep blood to isolate systemic fungi that grow poorly on nonenriched medium. Also selectivity of it can be improved by the addition of 50 mcg Gentamicin per ml of medium. Some fungi may be inhibited by the antibiotics in this medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Cream to light yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Cream to light amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 40-96 hrs at 25- 35°C.					
	MICROORGANISM (ATCC )	GROWTH			
	Trychophyton megninii (12106)	Good – luxuriant			
	Trychophyton tonsurans (10220)	Good – luxuriant			
	Trichophyton mentagrophytes (9533)	Good – luxuriant			
	Blastomyces dermatidis	Good			
	Histoplasma capsulatum	Good			
	Candida albicans (26790 )	Fair to good			
	Aspergillus niger (16404 )	Inhibited			
	Candida tropicalis (1369 )	Inhibited			
	Escherichia coli (25922)	Inhibited			
<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 selective isolation and cultivation of pathogenic fastidious fungi from specimens heavily contaminated with bacteria and saprophytic fungi.				
<b>Storage :</b>	Dehydrated medium and 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>B433</b>	52.5g/l	9.523L	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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