

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B450	CANDIDA BCG AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Yeast extract		1.00				
Dextrose		40.00				
Bromo cresol green		0.02				
Agar		15.00				
Final pH (at 25°C) :6.1 ± 0.2						
Directions :						
Suspend 66.02 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and add sterile neomycin to a concentration of 500 µg/ml of medium. Mix well before pouring into sterile Petri plates						
Principle :						
Peptic digest of animal tissue and yeast extract provide nitrogenous nutrients. Bromo cresol agar is used as an indicator and quite specific colour patterns are obtained in the base and surface of the medium. Neomycin is added as a selective agent which alongwith bromo creasol green inhibits all accompanying bacteria. Dextrose is the fermentable carbohydrate.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to light green				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.1 ± 0.2				
Colour (post autoclaving/heating) :		Bluish green				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed with added sterile Neomycin (500 mcg/ml of medium) after an incubation at 25-30°C for 24-48 hours.						
MICROORGANISM (ATCC)		GROWTH	COLOUR OF MEDIUM			
Candida albicans (10231)		Good-Luxuriant	Yellow			
Candida glabrata (15126)		Good-Luxuriant	Yellow			
Candida tropicalis (1369)		Good-Luxuriant	Yellow			
Escherichia coli (25922)		Inhibited				
Staphylococcus aureus (25923)		Inhibited				
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 primary isolation and identification of Candida species.				
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
B450		66.02g/l	7.57L	6.1 ± 0.2	Neomycin	121 ^o 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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