

TECHNICAL SHEET

B144	BI.G.G.Y. AGAR (NICKERSON MEDIUM)				
Formula					
Ingredients :		gms/lit.			
Yeast extract		1.00			
Glycine		10.00			
Dextrose		10.00			
Bismuth ammonium citrate		5.00			
Sodium sulphite		3.00			
Agar		16.00			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 45 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE OR OVERHEATING. Overheating will destroy the selective properties. Disperse the flocculant precipitate formed by swirling prior to dispensing into plates.					
Principle :					
Bismuth ammonium citrate and Sodium sulphite together act as selective agents for Candida species suppressing bacterial growth, at the same time indicating substrate reduction to yield bismuth sulphite which helps to presumptively identify the culture of Candida species. Yeast extract, dextrose and glycine serve as nutrients.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18- 48 hrs at 30° C.					
MICROORGANISM (ATCC)		GROWTH	COLONY MORPHOLOGY		
Candida albicans (10231)		Luxuriant	Smooth, circular intensely brown black, no colour diffusion, no sheen		
Candida tropicalis (750)		Luxuriant	Smooth, discrete dark brown with black centers, diffuse blackening after 72 hours, sheen, slight mycelial fringe.		
Candida kruisii (24408)		Luxuriant	Large, flat, wrinkled silvery brown, black colonies with brown peripheries, yellow halo.		
Escherichia coli (25922)		Inhibited	-		
Staphylococcus aureus (25923)		Inhibited	-		
Candida pseudotropicalis		Good	Dark reddish brown, glistening colony		
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 detection, selective isolation, differentiation and presumptive identification of Candida albicans and Candida tropicalis.				
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
	B144	45g/l	11.111L	6.8 ± 0.2	NIL

Refer disclaimer Overleaf

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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