

TECHNICAL SHEET

PP001	Bi.G.G.Y. Agar Plate (Nickerson Agar Plate)				
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:					
Label the ready to use plate (PP001). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.					
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. Growth on an acidic or neutral medium containing bismuth sulphite produced black colonies because of the extra cellular reaction of the bismuth sulphite to bismuth sulphide.					
(I) QC Tests					
pH:		6.8 ± 0.2			
Color:		White to Off white coloured medium.			
Appearance:		Sterile Bi.G.G.Y.(Nickerson) Agar 85mm disposable plates.			
(II) Sterility test		Passes release criteria			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.					
MICROORGANISM (ATCC)		Inoculum	GROWTH	RECOVER Y	COLONY MORPHOLOGY
Candida albicans 10231		50-100	luxuriant	>=50%	smooth, circular intensely brown black, no color diffusion
Candida kruisei 24408		50-100	luxuriant	>=50%	large flat, wrinkled silvery brown, black colonies with brown peripheries yellow halo
Candida tropicalis 750		50-100	luxuriant	>=50%	smooth discrete, dark brown with black centres, diffused blackening after 72 hrs, sheen, slight mycelial fringe
Streptococcus pyogenes 19615		50-100	luxuriant	>=50%	-
Escherichia coli 25922		>=10 ³	inhibited	0%	-
Staphylococcus aureus 25923		>=10 ³	inhibited	0%	-
Candida pseudotropicalis		50-100	Good	40-50%	Dark reddish brown, glistening colony

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Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
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 <i>Candida albicans</i> and <i>Candida Tropicalis</i> .
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

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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