

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1083	MYCOLOGICAL AGAR, MODIFIED					
Formula						
Ingredients :			gms/lit.			
Papaic digest of soyabean meal			10.00			
Dextrose			10.00			
Agar			16.00			
Final pH (at 25°C) :			7.0 ± 0.2			
Directions :						
Suspend 36 grams 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. Mix well and pour into sterile Petri plates.						
Principle :						
Papaic digest of soyabean meal serves as source of carbon, nitrogen and other essential growth nutrients. Dextrose is the source of energy. Agar is the solidifying agent. The pH may be adjusted to 4.0 after autoclaving by adding sterile 10% lactic acid/acetic acid and used for determining yeast and mold counts of carbonated beverages and food products						
QC Tests - (I) Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			7.0 ± 0.2			
Colour (post autoclaving/heating) :			Light amber			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48- 72 hrs.at 25-30°C.						
MICROORGANISM (ATCC)		Growth on Agar w/ low pH		Growth		
Aspergillus niger (16404)		Good				
Candida albicans (10231)		Good		Good		
Lactobacillus acidophilus (11506)		Good		Good		
Staphylococcus aureus (25923)		Inhibited		Good		
Saccharomyces cerevisiae (9763)		Good		Good		
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 :		It is used for cultivation of fungi.				
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
B1083	36g/l	13.888 L	7.0 ± 0.2	NIL	121°C / 15 minutes	