

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B193	FUNGAL AGAR (MYCOLOGICAL AGAR)					
Formula						
Ingredients :		gms/lit.				
Papaic digest of soyabean meal		10.00				
Dextrose		10.00				
Agar		15.00				
Final pH (at 25°C) :		7.0 ± 0.2				
Directions :						
Suspend 35 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. Mix well and pour into sterile Petri plates. For preparing selective media, acidify the media upto pH 3.0-4.0 by the addition of two vials of 10% Lactic Acid Solution (BF079).						
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 an incubation at 25 - 30°C for 48 - 72 hours (For Trichophyton species longer incubation may be required for up to 7days).						
MICROORGANISM (ATCC)		Growth				
Aspergillus niger (16404)						
Candida albicans (10231)		Luxuriant				
Lactobacillus acidophilus (11506)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Saccharomyces cerevisiae (9763)		Luxuriant				
Saccharomyces uvarum (28098)		Luxuriant				
Trichophyton mentagrophytes (9533)		Luxuriant				
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
B193		35g/l	13.888 L	7.0 ± 0.2	BF079	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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