

TECHNICAL SHEET

B1284	6 MFA MEDIUM					
Formula						
Ingredients :			gms/lit.			
Yeast extract			10.00			
Potassium dihydrogen phosphate			1.00			
Potassium chloride			0.50			
Sodium nitrate			3.00			
Magnesium sulphate			0.50			
Ferrous sulphate			0.01			
Zinc sulphate			0.001			
Sodium potassium tartrate			0.01			
Dextrose			40.00			
Agar			15.00			
Final pH (at 25°C) : Self						
Directions :						
Suspend 70.00 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 in sterile Petri plates.						
Principle :						
Yeast extract provides a source of trace elements, vitamins and amino acids. Dextrose is the source of carbohydrate. Monopotassium dihydrogen phosphate and sodium potassium tartarate buffers the media. Magnesium sulphate, ferrous sulphate and zinc sulphate are sources of divalent cations and other necessary ions. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :				Light yellow to yellow		
Appearance :				Homogeneous Free Flowing powder		
(II) Rehydrated medium						
pH (post autoclaving/heating) :				Self		
Colour (post autoclaving/heating) :				yellow		
Clarity (post autoclaving/heating) :				clear to slightly opalescent gel		
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 25-30°C for 24-48 hours.						
MICROORGANISM (ATCC)				GROWTH		
Aspergillus niger (16404)				good-luxuriant		
Aspergillus ochraceous				good-luxuriant		
Candida albicans (10231)				good-luxuriant		
Saccharomyces cerevisiae (9763)				good-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 Aspergillus ochraceous .				
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
B1284		70.0 g/l	7.142 L	Self	NIL	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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