

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B070	TRICHOPHYTON AGAR NO.5					
Formula						
Ingredients :		gms/lit.				
Vitamin free casein acid hydrolysate		2.50				
Dextrose		40.00				
Monopotassium dihydrogen phosphate		1.80				
Magnesium sulphate		0.10				
Nicotinic acid		0.002				
Agar		15.00				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 59.4 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes. Sterilize by autoclaving at 15 lbs pressure (121°) for 15 minutes. Allow the tubed medium to cool in a slanted position.						
Principle :						
Trichophyton Agar-5 is used for the cultivation of Trichophyton equinum which can be identified purely on the basis of nutritional requirements. T. equinum requires nicotinic acid for growth and hence is included in the medium.						
QC Tests - (I) Dehydrated Medium						
Colour :		White to light 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) :		clear to slightly opalescent gel forms in tubes as slants				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 25-30°C for 2 weeks.						
MICROORGANISM (ATCC)		GROWTH				
Trichophyton equinum (22443)		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 differentiation of Trichophyton species				
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
B070	59.40 g/l	8.417 L	6.8 ± 0.2	Nil	121°C /15 min.	

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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