

TECHNICAL SHEET

B073	TRICHOPHYTON AGAR NO.2				
Formula					
Ingredients :		gms/lit.			
Vitamin free casein acid hydrolysate	2.50				
Dextrose	40.00				
Monopotassium dihydrogen phosphate	1.80				
Magnesium sulphate	0.10				
Inositol	0.050				
Agar	15.00				
Final pH (at 25°C) :		6.8 ± 0.2			
Directions :					
Suspend 59.45 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 :					
The method employs a Vitamin free casein that is vitamin-free (Trichophyton Agar-1, B074) to which different vitamins are added i.e. inositol (Trichophyton Agar-2, B073), thiamine and inositol (Trichophyton Agar-3, B072), thiamine (Trichophyton Agar-4) (B071) and nicotinic acid (Trichophyton Agar-5) (B070). The various additives added help to determine the specific vitamin and amino acid requirements of the isolates. Trichophyton Agar-1 is used along with medium 2, 3 and 4 to determine whether the isolate require inositol, thiamine or both. Nutritional requirements are determined by inoculating a control medium and a medium enriched with a specific vitamin or amino acid with Trichophyton isolates that have been presumptively identified by gross colony characteristics and microscopic morphology. Moderate to heavy growth in the vitamin or amino acid-enriched medium compared to little or no growth in the basal medium indicates that the isolate requires that nutrient.					
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 upto 1 week.				
	MICROORGANISM (ATCC)		GROWTH		
	Trichophyton mentagrophytes (9533)		Luxuriant		
	Trichophyton rubrum (28191)		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
B073	59.45 g/l	8.410 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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.