

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1070	INHIBITORY MOLD AGAR, ULRICH (MOLD INHIBITORY AGAR, ULRICH)				
Formula					
Ingredients:					
	gms/lit.				
Casein enzymic hydrolysate	3.00				
Peptic digest of animal tissue	2.00				
Yeast extract	5.00				
Dextrose	5.00				
Starch, soluble	2.00				
Dextrin	1.00				
Sodium phosphate	2.00				
Ferrous sulphate	0.04				
Magnesium sulphate	0.80				
Sodium chloride	0.04				
Manganese sulphate	0.16				
Chloramphenicol 0.125	15.00				
Agar	15.00				
Final pH (at 25°C) :6.7±0.2					
Directions :					
Suspend 36.17 grams in 1000 ml distilled water. Mix thoroughly and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 118 - 121°C (12-15 lbs pressure) for 15 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Casein enzymic hydrolysate and peptic digest of animal tissue provide essential growth nutrients. Yeast extract is a rich source of vitamin B complex. Dextrose, starch and dextrin are energy sources for the metabolism of fungi. Sodium chloride and metallic salts provide essential ions and minerals. Chloramphenicol inhibits a wide variety of gram-positive and gram-negative bacteria. Potential contaminants of cosmetics and toiletries like <i>Pseudomonas aeruginosa</i> and <i>Serratia marcescens</i> are effectively inhibited by chloramphenicol. Sodium phosphates buffer the medium.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	6.7±0.2				
Colour (post autoclaving/heating) :	Amber				
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 upto 7 days ii) Bacterial cultures are incubated at 35-37°C					
MICROORGANISM (ATCC)	GROWTH				
<i>Candida albicans</i> (10231)	luxuriant				
<i>Escherichia coli</i> (25922)	inhibited				
<i>Staphylococcus aureus</i> (25923)	inhibited				
<i>Trichophyton mentagrophytes</i> (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 selective isolation of pathogenic fungi.				
Storage :	Dehydrated medium- at 15-25°C Prepared medium- Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1070	36.17 g/l	13.823 L	6.7±0.2	Nil	118-121°C/15 minutes

Refer disclaimer Overleaf

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Disclaimer:

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