

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B903	A.A.T.C.C. MINERAL SALTS AGAR				
Formula					
Ingredients:		gms/lit.			
Ammonium nitrate		3.00			
Monopotassium phosphate		2.50			
Dipotassium phosphate		2.00			
Magnesium sulphate		0.20			
Ferrous sulphate		0.10			
Agar		20.00			
Final pH (at 25°C): 5.6 ± 0.2					
Directions:					
Suspend 27.8 grams in 1000 ml purified / distilled water. Add 7.5 grams of dextrose if the medium is to be used for testing with <i>Aspergillus niger</i> . Heat to boiling to dissolve the medium completely. Dispense in 7 ml amounts in test tubes or 40 ml amounts in bottles or flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.					
Principle :					
These procedures are employed for testing a) Initial mildew resistance of textiles, b) Perseverance of mildew resistance, c) Fungicidal potency of textile fungicides testable, Standard minimum protective concentration, peccnanence indices, including resistance to leaching, volatilization and weathering. Cultures used are <i>Chaectomium globosum</i> ATCC 16790, <i>Aspergillus niger</i> ATCC 16404.Ammonium nitrate acts as a nitrogen source. Potassium dihydrogen phosphate and Dipotassium hydrogen phosphate provides buffering to the medium. Magnesium sulphate and ferrous sulphate are sources of ions that simulate metabolism.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to Beige			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	5.6 ± 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 for18 –24 hrs. at 35-37°C.				
	MICROORGANISM (ATCC)	Inoculum (CFU)			
	<i>Aspergillus niger</i> (16404)	50-100			
	<i>Chaectomium globosum</i> (16790)	50-100			
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 :					
For evaluation of fungicides for use on textiles and the resistance of textiles to mildew and rot.					
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
B903	27.80 g/l	17.98 L	5.6 +0.2	None	121 ⁰ C /15 min.

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Rev: December 2020

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Disclaimer:

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