

**TECHNICAL SHEET**

<b>B903</b>	<b>A.A.T.C.C. MINERAL SALTS AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>	<b>gms/lit.</b>				
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					
<b>Directions :</b>					
Suspend 27.8 gms. in 1000 ml. distilled water. Add 7.5 gms. of dextrose if the medium is to be used for testing with <i>Aspergillus niger</i> . Boil 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.					
<b>Principle :</b>					
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, volatalization and weathering. Cultures used are <i>Chaetomium globosum</i> 62.5, <i>Aspergillus niger</i>					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :	Beige				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	5.6 ± 0.2				
Colour (post autoclaving/heating) :	Light Amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 -24 hrs. at 35-37°C.					
MICROORGANISM (ATCC )	GROWTH				
<i>Escherichia coli</i> (25922)	Good to Luxuriant				
<i>Staphylococcus aureus</i> (6538)	Good to Luxuriant				
<i>Chaetomium globosum</i> (16404)	Good to Luxuriant				
<b>Precautions :</b>					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
<b>Limitations :</b>					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
<b>Use :</b>					
For evaluation of fungicides for use on textiles and the resistance of textiles to mildew and rot.					
<b>Storage :</b>					
Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.					
<b>Packing :</b>					
500 gm. bottle					
<b>Product profile:</b>					
Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization	
<b>B903</b>	27.80 g/l	17.98 L	5.6 ±0.2	None	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 BIOMARK LABORATORIES publications.

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