

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B901	AATCC BACTERIOSTASIS AGAR				
Formula					
Ingredients :	gms/lit.				
Peptic digest of animal tissue	10.00				
Meat extract B #	5.00				
Sodium chloride	5.00				
Agar	15.00				
# Equivalent to Beef extract					
Final pH (at 25°C) :	7.2 ± 0.2				
Directions :					
Suspend 35 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
Peptic digest of animal tissue and meat extract B are the sources of carbon, nitrogen, vitamins and minerals. Sodium chloride provide essential ions.					
QC Tests - (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 -24 hrs. at 35 - 37°C.					
MICROORGANISM (ATCC)	GROWTH				
Escherichia coli (25922)	Luxuriant				
Staphylococcus aureus (6538)	Luxuriant				
Pseudomonas aeruginosa (27853)	Luxuriant				
Salmonella typhi (6539)	Luxuriant				
Lack of bacterial growth indicate that the fabric has antibacterial activity.					
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 the detection of antibacterial activity of fabrics.				
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
B901	35.0 g/l	14.285 L	7.2 ±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 BIOMARKLABORATORIES publications.

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