

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1102</b>	<b>STANDARD NUTRIENT AGAR No.1</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptone,special		15.00				
Yeast extract		3.00				
Sodium chloride		6.00				
Dextrose		1.00				
Agar		12.00				
Final pH (at 25°C) : 7.5 ± 0.2						
<b>Directions :</b>						
Suspend 37 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Peptone and yeast extract provide nitrogen, vitamins, amino acids & carbon sources. Dextrose provides carbohydrates. Sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.						
<b>QC Tests -(I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 - 48 hrs.at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Pasteurella multocida		Good-Luxuriant				
Escherichia coli (25922)		Good - 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>		<b>B1102:</b> For the cultivation of fastidious bacteria.				
<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>B1102</b>		37g/l	13.513L	7.5 ± 0.2	NIL	121°C / 15 minutes