

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B652</b>		<b>NUTRIENT AGAR AS PER IP</b>			
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptone		10.00			
Meat Extract B#		10.00			
Sodium chloride		5.00			
Agar		12.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) :		7.3± 0.2			
<b>Directions :</b>		Suspend 37.0 grams in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10lbs pressure(115°C) for 30 minutes or alternatively at 15 lbs pressure (121°C) for 15 minutes			
<b>Principle :</b>		Peptone and Meatextract B provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients. Sodium chloride maintains osmotic equilibrium. Nutrient media may be used as enriched media by the addition of 10% v/v blood or other biological fluids like ascitic fluid, serum etc.			
<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) :		7.3 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
		Cultural characteristics observed after 18 - 48hrs at 35 - 37°C. Growth Promotion is carried out as per Indian Pharmacopoeia.			
MICROORGANISM (ATCC)		Inoculum (CFU)	Observed Lot value (CFU)	Recovery	Incubation period
Escherichia coli (8739)		50 -100	35 -100	>=70 %	18 -24 hrs
Pseudomonas aeruginosa (9027)		50 -100	35 -100	>=70 %	18 -24 hrs
Staphylococcus aureus (6538)		50 -100	35 -100	>=70 %	18 -24 hrs
Salmonella Typhimurium(14028)		50 -100	35 -100	>=70 %	18 -24 hrs
Salmonella Abony NCTC (6017)		50 -100	35 -100	>=70 %	18 -24 hrs
<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>	It is used as a general purpose culture medium which may be used as enriched medium by incorporating blood or other biological fluids in accordance with Indian Pharmacopoeia.				
<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>B652</b>	37.0 g/l	13.513 L	7.3 ± 0.2	NIL

**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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