

**BIOMARK Laboratories-INDIA**  
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**TECHNICAL SHEET**

<b>B1237</b>		<b>NUTRIENT AGAR</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		5.00				
Meat extract B#		1.00				
Yeast extract		2.00				
Sodium chloride		5.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
Suspend 28 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Nutrient Agar contains Meat extract B and Peptone as carbon and nitrogen sources for general growth requirements. Yeast extract provides essential vitamins. Agar is added as a 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) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Good - luxuriant				
Pseudomonas aeruginosa (27853)		Good - luxuriant				
Staphylococcus aureus (25923)		Good - luxuriant				
Streptococcus pyogenes (19615)		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>B1237:</b> For cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.				
<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>B1237</b>		28g/l	17.857L	7.4 ± 0.2	NIL	121°C / 15 minutes

**Disclaimer:**

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