

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B273</b>	<b>NUTRIENT AGAR, pH 6.0 WITH 0.8% NaCl</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Peptic digest of animal tissue			5.00			
Meat Extract B#			3.00			
Sodium chloride			8.00			
Agar			15.00			
#- Equivalent to Beef extract						
Final pH (at 25°C) :			6.0 ± 0.2			
<b>Directions :</b>						
Suspend 31 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Meat Extract B and peptic digest of animal tissue provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients to the nonfastidious organisms like Bacillus subtilis and Staphylococcus aureus. Sodium chloride maintains osmotic equilibrium of the medium.						
<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) :			6.0 ± 0.2			
Colour (post autoclaving/heating) :			Light yellow to amber			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.						
MICROORGANISM (ATCC )			GROWTH			
Bacillus subtilis (6633)			Good			
Candida albicans (10231 )			Luxuriant			
Staphylococcus aureus (25923)			Good			
<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 cultivation of bacteria requiring slightly acidic pH.				
<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>B273</b>		31g/l	16.12L	6.0 ± 0.2	NIL	121°C / 15 minutes

**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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