

**TECHNICAL SHEET**

<b>B272</b>	<b>NUTRIENT AGAR WITH 1% PEPTONE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
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) :		7.4 ± 0.2				
<b>Directions :</b>						
Suspend 35 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 non-fastidious organisms like Bacillus subtilis and Staphylococcus aureus. Sodium chloride maintains osmotic equilibrium of the medium. Agar is the solidifying agent. With the addition of 5%v/v blood or other biological fluids, these media are recommended for growing fastidious organisms.						
<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) :	a) Light yellow b) with the addition of blood – Cherry red				
	Clarity (post autoclaving/heating) :	a) Clear to slightly opalescent b) Opaque				
<b>(III)Q.C. Test Microbiological</b>						
	Cultural characteristics observed with added 5% v/v sterile defibrinated blood, after an incubation at 35-37°C for 18-48 hours.					
	MICROORGANISM (ATCC )	GROWTH WITHOUT BLOOD	GROWTH WITH BLOOD	Haemolysis		
	Staphylococcus aureus (25923)	Luxuriant	Luxuriant	Beta		
	Staphylococcus aureus (6538)	Luxuriant	Luxuriant	Beta		
	Neisseria meningitides (13090)	Good	Luxuriant	None		
	Streptococcus pneumoniae (6303)	Good	Luxuriant	Alpha		
	Streptococcus pyogenes (19615)	Good	Luxuriant	Beta		
<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>		General purpose culture media which may be used as enriched medium by incorporating blood or other biological fluid				
<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>B272</b>		35g/l	14.285L	7.4 ± 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 BIOMARKLABORATORIES publications.

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