

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B272	NUTRIENT AGAR WITH 1% PEPTONE					
Formula						
Ingredients :			gms/lit.			
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			
Directions :						
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.						
Principle :						
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.						
QC Tests – (I)Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
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			
(III)Q.C. Test Microbiological						
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		
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		General purpose culture media which may be used as enriched medium by incorporating blood or other biological fluid				
Storage :		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B272		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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