

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B275	NUTRIENT BROTH WITH 1% PEPTONE NaCl					
Formula						
Ingredients :			gms/lit.			
Peptic digest of animal tissue			10.00			
Beef extract			10.00			
Sodium chloride			5.00			
Final pH (at 25°C):			7.4 ± 0.2			
Directions :						
Suspend 25 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Beef extract and peptic digest of animal tissue provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients to non-fastidious organisms like Bacillus subtilis and Staphylococcus aureus. Sodium chloride maintains osmotic equilibrium of the medium.						
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) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Enterobacter aerogenes (13048)		Luxuriant				
Salmonella typhimurium (14028)		Luxuriant				
Klebsiella pneumoniae (13883)		Luxuriant				
Escherichia coli (8739)		Luxuriant				
Escherichia coli (NCTC9002)		Luxuriant				
Staphylococcus aureus (6538)		Luxuriant				
Salmonella Abony (NCTC 6017)		Luxuriant				
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 :		As sterility testing medium for aerobes as per B.P. also for microbial limit test as per I.P.				
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
B275		25g/l	20L	7.4 ± 0.2	NIL	121°C / 15 minutes