

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B274	NUTRIENT BROTH					
Formula						
Ingredients :		gms/lit.				
Peptone		5.00				
Beef extract		1.50				
Yeast extract		1.50				
Sodium chloride		5.00				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 13.0 grams in 1000 ml distilled water. Heat, if necessary, to dissolve the medium completely. Dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptone, beef extract and yeast extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria. Sodium chloride maintains the 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) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
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				
Salmonella Typhi (6539)		Good – 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 :		For general cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.				
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
B274		13g/l	38.46L	7.4 ± 0.2	NIL	121°C / 15 minutes