

**TECHNICAL SHEET**

<b>B274</b>		<b>NUTRIENT BROTH</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptone		5.00				
Meat Extract B*		1.50				
Yeast extract		1.50				
Sodium chloride		5.00				
*- Equivalent to Beef extract						
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
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.						
<b>Principle :</b>						
Peptone, Meat Extract B 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.						
<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) :	Cream to light amber				
	Clarity (post autoclaving/heating) :	Clear				
<b>(III)Q.C. Test Microbiological</b>						
	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				
<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 general cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.				
<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>B274</b>		13g/l	38.46L	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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