

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B174</b>	<b>STANDARD NUTRIENT BROTH No.1</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Peptone, special			15.00			
Yeast extract			3.00			
Sodium chloride			6.00			
Dextrose			1.00			
Final pH (at 25°C) : 7.5 ± 0.2						
<b>Directions :</b>						
Suspend 25 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
The peptone and yeast extract provides nitrogenous compounds, carbon, sulphur, trace ingredients. Sodium chloride maintains the osmotic equilibrium. Addition of different biological fluids such as horse or sheep blood, serum, egg yolk etc. makes it suitable for the cultivation of related 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) :			7.5 ± 0.2			
Colour (post autoclaving/heating) :			Light amber			
Clarity (post autoclaving/heating) :			clear solution in tubes			
<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			
Erysipelothrix rhusiopathiae (19414)			Good - Luxuriant			
Listeria monocytogenes (19111)			Good-Luxuriant			
Staphylococcus aureus (25923)			Good-Luxuriant			
Streptococcus pneumoniae (6303)			Good-Luxuriant			
Streptococcus pyogenes (19615)			Good-Luxuriant			
Shigella flexneri (12022)			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>		It is used for the cultivation of fastidious bacteria.				
<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>B174</b>		25g/l	20.0 L	7.5 ± 0.2	NIL	121°C / 15 minutes

**Disclaimer:**

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