

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B699</b>	<b>LURIA BERTANI BROTH, MILLER</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Casein enzymic hydrolysate	10.00				
Yeast extract	5.00				
Sodium chloride	10.00				
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. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Dispense as desired.					
<b>Principle :</b>					
Casein enzymic hydrolysate provides peptides and peptones while Vitamin B complex is provided by yeast extract. Sodium chloride provides sodium ions for membrane transport and also maintains the osmotic equilibrium of the medium.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :	Cream to light yellow				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	7.5 ± 0.2				
Colour (post autoclaving/heating) :	Yellow to amber				
Clarity (post autoclaving/heating) :	Clear				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 24 hours at 35-37°C.					
MICROORGANISM (ATCC )	GROWTH				
Escherichia coli (25922)	Luxuriant				
Escherichia coli (23724)	Luxuriant				
Escherichia coli DH5 alpha MTCC 1652	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 the cultivation and maintenance of recombinant strains of Escherichia coli and can be used for routine cultivation of not particularly fastidious microorganisms.				
<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>B699</b>	25g/l	20lit	7.5 ± 0.2	Nil	121°C/15 min