

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B899</b>	<b>LACTIC PHAGE BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>			<b>gms/lit.</b>		
Casein enzymic hydrolysates			10.00		
Beef extract			5.00		
Yeast extract			5.00		
Lactose			10.00		
Di-potassium phosphate			5.00		
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 35.00 gms in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Casein enzyme hydrolysates, beef and yeast extract supply all the necessary nutrients for the growth of lactic bacteria. Lactose is the fermentable carbohydrate in the medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :			Yellowish		
Appearance :			Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :			7.2 ± 0.2		
Colour (post autoclaving/heating) :			Yellowish		
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		
Lactobacillus lactis spp.cremoris(19257)			Luxuriant		
Enterococcus faecalis (11700 )			Luxuriant		
Staphylococcus aureus (25923)			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 enumeration of bacteriophages active against starter cultures used in cheese manufacturing.					
<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>B899</b>	35g/l	14.28lit	7.2 ± 0.2	Nil	121°C/15 min