

**BIOMARK Laboratories-INDIA**

[www.biomarklabs.com](http://www.biomarklabs.com)

**TECHNICAL SHEET**

<b>B895</b>	<b>LIQUOID BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Calf brain, infusion from		200.00			
Meat heart,infusion from		250.00			
Proteose peptone		10.00			
Sodium chloride		5.00			
Disodium phosphate		2.50			
Dextrose		2.00			
Sodium polyanethol sulphonate	0.50				
Final pH (at 25°C) : 7.4 ± 0.2					
<b>Directions :</b>					
Suspend 37.5 gms.in 1000ml. distilled water. Heat if necessary to ensure complete solution. Dispense in two bottles or tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired 1g/lit. Agar can be added to encourage growth to anaerobic organisms. For best results, use the medium on the day it is prepared otherwise boil or steam it to remove dissolved oxygen just before use.					
<b>Principle :</b>					
The medium is composed of rich ingredients for the culture of blood samples. Beef heart and calf brain infusion and proteose peptone provide the necessary carbonaceous and nitrogenous nutrients, vitamins and growth factors to the organisms. Dextrose is the carbon source and sodium chloride maintains the osmotic equilibrium of the medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 24 – 48 hrs.at 35-37°C.				
	MICROORGANISM (ATCC )	GROWTH			
	Escherichia coli (25922)	Luxuriant			
	Salmonella typhi ( 6539 )	Luxuriant			
	Staphylococcus aureus (25923)	Luxuriant			
	Streptococcus pyogenes (19615)	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 screening of blood specimens from suspected bacteremic cases.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium on the same day of preparation.				
<b>Packing :</b>	500 gm bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B895</b>	37.5 g/l	13.33 lit	7.4 ± 0.2	nil	121°C/15 min

**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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents

Rev: December 2020