

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B615</b>	<b>PIKE STREPTOCOCCAL BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymic hydrolysate		10.00				
Tryptose		10.00				
Yeast extract		10.00				
Dextrose		0.20				
Sodium azide		0.065				
Crystal violet		0.002				
Final pH (at 25°C) : 7.4± 0.2						
<b>Directions :</b>						
Suspend 30.3 gms.in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in 100 ml. amounts in flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add 5% v/v sterile defibrinated rabbit blood. Mix well and dispense aseptically in 2 ml. amounts in sterile tubes.						
<b>Principle :</b>						
Casein enzymic hydrolysate, tryptose and yeast extract provide nitrogenous nutrients, carbon, sulphur, vitamin B complex, trace elements for the growth of haemolytic Streptococci. Dextrose acts as the energy source. Crystal violet inhibits Staphylococcal growth and sodium azide inhibits gram – negative rods.						
<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) :		Yellow				
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				
Enterococcus faecalis (29212)		Luxuriant				
Escherichia coli (25922)		Inhibited				
Enterobacter aerogenes (13048)		Inhibited				
Staphylococcus aureus (25923)		Inhibited				
<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 selective enrichment of and cultivation of Streptococci from throat swabs and other clinical specimens.						
<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>B615</b>		30.3g/l	16.501L	7.4 ± 0.2	5% v/v sterile defibrinated rabbit blood	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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