

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1493</b>	<b>HEART INFUSION BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Meat heart, infusion from		500.00				
Tryptose		10.00				
Sodium chloride		5.00				
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
Suspend 40 gms. of B1481 agar or 25 gms. of B1481 broth in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired 5% sterile defibrinated blood may be added. Mix well and pour into sterile tubes.						
<b>Principle :</b>						
Tryptose and beef heart infusion provides nutritional requirements of pathogenic bacteria. Heart Infusion Broth can be modified by adding dextrose, blood or other ingredients for use in variety of purposes. The medium can also be used for the cultivation of some anaerobes by addition of 0.1 – 0.2% agar, Addition of 65 g/l of sodium chloride will aid in differentiating Enterococci from other Streptococci, as the Enterococci grow in presence of high salt while other Streptococci as pyogenic, viridans and lactic are unable to grow.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		a) Basal medium : light yellow b) With addition of blood : Cherry red				
Clarity (post autoclaving/heating) :		Opaque				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 –48 hrs. at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Luxuriant				
Neisseria meningitidis (13090)		Luxuriant				
Streptococcus pneumoniae (6303)		Good - luxuriant				
Streptococcus pyogenes (19615)		Good - luxuriant				
Staphylococcus aureus (25923)		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 isolation and cultivation of a wide variety of fastidious organisms. Recommended by ISO				
<b>Storage :</b>		Dehydrated medium- below 30 ° C Prepared mediums- 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>B1493</b>	25.0 g/l	20.00 L	7.4± 0.2	5% sterile defibrinated blood	121 <sup>0</sup> C/15min.	

Refer disclaimer Overleaf

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