

**TECHNICAL SHEET**

<b>B592</b>	<b>LIVER BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Liver, infusion from		23.00			
Peptic digest of animal tissue		10.00			
Liver tissue (extracted)		30.00			
Dipotassium phosphate		1.00			
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 64 gms. in 1000ml. distilled water. Soak for 15 minutes with occasional stirring. Dispense in 18 mm tubes to a depth of 50 mm so that bottom of the tube is filled with liver tissues. Sterilize by autoclaving at 10 lbs pressure (121°C) for 20 minutes.					
<b>Principle :</b>					
The medium contains liver particles which support luxuriant growth for saccharolytic or putrefactive mesophilic and thermophilic anaerobes. A 20% w/v solution of the sugar steamed for 30 minutes is inoculated into Liver Broth, sealed with agar. The standard proposed was a maximum of 1 positive tube in six tubes, with 20 ml inocula and incubated for 72 hours at 56°C. Some organisms like Clostridium thermosaccharolyticum produces gas which often pushes the agar plug towards the top of the tube and some organisms digest the solid liver tissues. The medium should be used on the same day of preparation as the storage may absorb the air and then re-steaming is necessary which darkens the medium.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Brown			
Appearance :		Granules with powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Medium amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent supernatant over insoluble granules			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48- 72 hours at 55-56°C.					
MICROORGANISM (ATCC )			GROWTH		
Clostridium thermosaccharolyticum (7956)			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 cultivation of anaerobic 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>B592</b>	64 g/l	7.81 lit	6.8 ± 0.2	NIL	121°C/20 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 BIOMARK LABORATORIES publications.

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