

<b>B1205</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 tissues (extracted)		30.00			
Dipotassium phosphate		1.00			
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 64 grams in 1000 ml distilled water. Soak for 15 minutes with occasional stirring. Dispense in 18 mm diameter 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 (115°C) for 20 minutes. Cool, inoculate and seal with a layer of sterile 2% agar solution.					
<b>Principle :</b>					
Liver Broth for the examination of Canners sugar for hydrogen swells caused by thermophilic anaerobes and also for maintaining pure cultures of aerobes and anaerobes. This 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 <i>Thermoanaerobacterium thermosaccharolyticum</i> ( <i>Clostridium thermosaccharolyticum</i> ) 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 stored medium may absorb the air and then re-steaming is necessary which darkens the medium.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour:		Light yellow with Brown granules			
Appearance :		Homogenous free flowing powder with Granules			
<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 an incubation at 55-57°C for 48-72 hours.					
MICROORGANISM (ATCC )		GROWTH			
Cl. 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>					
Recommended 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)	
<b>B1205</b>		64 g/l		7.81lit	
				6.8 ± 0.2	
				Supplement	
				Sterilization	
				Nil	
				115°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 BIOMARKLABORATORIES publications.

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