

TECHNICAL SHEET

B1207	LIVER MEAT GLUCOSE CYSTEINE BROTH					
Formula						
Ingredients :		gms/lit.				
Liver meat base		29.50				
Glucose		2.00				
L-Cysteine hydrochloride		0.50				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 32 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
The medium contains liver meat which is a rich source of vitamins, the haem group and other nutrients that support the growth of strict and nutritionally fastidious anaerobes. L-Cysteine hydrochloride has a dual function in that it acts as a nutrient and the sulphhydryl group present in it helps to create anaerobic conditions. Glucose provides source of energy.						
QC Tests – (I) Dehydrated Medium						
Colour :		Yellow to brownish yellow				
Appearance :		Homogeneous free flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Amber				
Clarity (post autoclaving/heating) :		clear to slightly opalescent solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after in an anaerobic environment after an incubation at 35-37°C for 24-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Bacteroides vulgatus (8482)		good-luxuriant				
Clostridium botulinum (25763)		luxuriant				
Clostridium perfringens A (12924)		luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		It is recommended for cultivation of fastidious anaerobic organisms				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1207	32.0 g/l	15.625 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.

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