BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B227	**LIVER INFUSION AGAR**
Formula	
Ingredients :	**gms/lit.**
Meat liver, infusion from #	500.00
Proteose peptone	10.00
Sodium chloride	5.00
Agar	20.00
# Equivalent to Beef liver, infusion from	
Final pH (at 25°C) :	6.9 ± 0.2
Directions :	
Dissolve 55 gms in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Autoclave at (121°C) for 15 minutes. Mix well and pour into sterile plates.	
Principle :	
Infusion from Meat Liver and Proteose Peptone provide the nitrogen, amino acids, vitamins and carbon sources in Liver Infusion media. Sodium chloride maintains the osmotic balance. Agar is a solidifying agent.	

QC Tests – (I)Dehydrated Medium		
	Colour :	Light yellow to light brown
	Appearance :	Homogeneous free flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	6.9 ± 0.2
	Colour (post autoclaving/heating) :	Amber
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III) Q.C. Test Microbiological		
	Cultural characteristics observed after 24 - 48 hours at 35 -37°C. (Clostridium species incubated anaerobically).	
	MICROORGANISM (ATCC)	GROWTH
	Streptococcus mitis (9895)	Luxuriant
	Brucella melitensis (4309)	Luxuriant
	Brucella suis (6597)	Luxuriant
	Clostridium sporogenes (11437)	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 :	For cultivation of a Brucella and other pathogenic anaerobes.
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
B227	55 g/l	9.090 lit	6.9 ± 0.2	Nil	121^0C/15 min