B887	**LIVER MEAT INFUSION AGAR**
Formula	
Ingredients :	**gms/lit.**
Meat Liver infusion powder	20.00
Dextrose	0.75
Sodium sulphite	1.20
Starch	0.75
Ferric ammonium citrate	0.50
Sodium carbonate	0.67
Agar	11.00
Final pH (at 25°C) :	7.6 ± 0.2

Directions :

Suspend 34.87 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Medium can be used in tubes or plates as desired.

Principle :

Presence of Meat liver infusion in the medium provides adequate degree of anaerobiosis besides provision of rich supply of nutrients, enabling even strict and fastidious anaerobes to grow well. Clostridium species reduce sulphite present in the medium to hydrogen sulphide (H2S), which is indicated by blackening due to the presence of iron salt. The agar medium is inoculated either by pour plate method or by surface spreading methods.

QC Tests – (I)Dehydrated Medium		
	Colour :	Light yellow to light brown
	Appearance :	Homogeneous free flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.6 ± 0.2
	Colour (post autoclaving/heating) :	Medium to dark brown
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent with suspended particles
(III) Q.C. Test Microbiological		
	Cultural characteristics observed under anaerobic condition, after an incubation at 35-37°C for 18-48 hours.	

	MICROORGANISM (ATCC)	GROWTH	H_2S	
	Clostridium botulinum(25763)	Luxuriant	Positive	
	Clostridium perfringes(12924)	Luxuriant	Positive	
	Clostridium tetani (10779)	Luxuriant	Positive	
	Escherichia coli(25922)	Luxuriant	Negative	
	Bacteroides vulgates(8482)	Good-luxuriant	Negative	
	Proteus mirabilis(25933)	Luxuriant	Weak positive or Negative	

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 the enumeration of sulphite reducing Clostridia and Clostridium perfringens in water and milk.
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
B887	34.87 g/l	14.34 L	7.6± 0.2	Nil	121^0C/15min

Refer disclaimer Overleaf

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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