

**TECHNICAL SHEET**

<b>B593</b>	<b>LIVER MEAT AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Meat liver infusion powder		20.00			
Dextrose		0.75			
Starch		0.75			
Sodium sulphite		1.20			
Ferric ammonium citrate		0.50			
Agar		11.00			
Final pH (at 25°C) :		7.6 ± 0.2			
<b>Directions :</b>					
Suspend 34.2 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.					
<b>Principle :</b>					
Meat liver base provides adequate degree of anaerobiosis and is also rich source of growth nutrients, which enables even the strict and fastidious anaerobes to grow well. Some anaerobes (e.g. certain Clostridium species) reduce the sulphite present in the medium to hydrogen sulphide (H <sub>2</sub> S) which is indicated by the blackening of colonies due to presence of ferric ammonium citrate. Inoculation can be performed by the pour plate method or by surface smearing					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :	Light yellow to light brown				
Appearance :	Homogeneous free flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	7.6 ± 0.2				
Colour (post autoclaving/heating) :	Brown				
Clarity (post autoclaving/heating) :	Opalescent gel with suspended particles				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 48 hours at 35 - 37°C under 5 - 10% CO <sub>2</sub> .					
MICROORGANISM (ATCC )	GROWTH	H <sub>2</sub> S			
Clostridium botulinum(25763)	Luxuriant	Positive			
Clostridium perfringes(12924)	Luxuriant	Positive			
Clostridium tetani (10779)	Luxuriant	Positive			
Esherichia coli(25922)	Luxuriant	Negative			
Bacteroides vulgates(8482)	Good-luxuriant	Negative			
Proteus mirabilis (25933)	Luxuriant	Weak positive or Negative			
<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 fastidious anaerobes.				
<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>B593</b>	34.2 g/l	14.619lit	7.6 ± 0.2	nil	121°C/15min

**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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