

BIOMARK Laboratories-INDIA
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TECHNICAL SHEET

B617	MEAT INFUSION AGAR (STANDARD INFUSION AGAR)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Meat infusion form #		500.00				
Sodium chloride		5.00				
Agar		25.00				
# Equivalent to Beef infusion form						
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 50 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptic digest of animal tissue and Meat infusion provides nitrogen, sulphur, vitamins and other growth nutrients for luxuriant growth of organisms. Sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Cream to yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 48 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Salmonella typhi (6539)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Pseudomonas aeruginosa (27853)		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 mass cultivation of organisms for vaccine or toxin production.				
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
B617		50g/l	10L	7.5 ± 0.2	NIL	121°C / 15 minutes

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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