

TECHNICAL SHEET

B738	STANDARD NUTRIENT AGAR					
Formula						
Ingredients :		gms/lit.				
Peptic digest of lean meat		500.00				
Beef extract		10.00				
Sodium chloride		5.00				
Agar		20.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 45 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 lean meat provides the amino acids and large chain peptides. Beef extract (meat infusion) provides water soluble substances like carbohydrates, vitamins, organic nitrogen compounds and salts. Sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to yellowish brown				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium amber				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs.at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Good - Luxuriant				
Streptococcus pneumoniae (6303)		Good - Luxuriant				
Staphylococcus aureus (25923)		Good - 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 :		A general purpose medium for cultivation and enumeration of not particularly fastidious microorganisms				
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
B738		45g/l	11.111L	7.6 ± 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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