

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1406		NUTRIENT AGAR				
Formula						
Ingredients:		gms/lit.				
Peptone		5.00				
Meat Extract B#		3.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.0 ±0.2						
Directions :						
Suspend 23 gramsof Nutrient Agar in 1000 ml distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Nutrient Agar contains Meat Extract Band Peptone as carbon and nitrogen sources for general growth requirements. Agar is added as a solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalascnt				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24 hrs at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Good – luxuriant				
Pseudomonas aeruginosa (27853)		Good – luxuriant				
Staphylococcus aureus (25923)		Good – luxuriant				
Streptococcus pyogenes (19615)		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 :		For cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids. Recommended by ISO 6579,ISO 8523 and ISO 10273				
Storage :		Dehydrated medium- Below 30°CPrepared medium– Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1406		23g/l	21.73 L	7.0 ± 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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