

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1406	NUTRIENT AGAR				
Formula					
Ingredients:			gms/lit.		
Peptone			5.00		
Beef extract			3.00		
Agar			15.00		
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 23 grams of 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 Beef Extract and 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		
(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°C Prepared 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