

TECHNICAL SHEET

B1502		NUTRIENT AGAR 1.5%				
Formula						
Ingredients :		gms/lit.				
Beef extract		3.00				
Peptic digest of animal tissue		5.00				
Sodium chloride		8.00				
Agar		15.00				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 31 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. If desired, it can be appropriately enriched with sterile blood, ascetic fluid or serum after cooling to 45-50°C. Mix well and pour into sterile Petri plates.						
Principle :						
Peptic digest of animal tissue is the principal source of organic nitrogen while beef extract provides carbohydrates, vitamins, organic nitrogen compounds and salts. Nutrient Agar 1.5% may be used for blood culturing work after the addition of sterile 5-10% v/v defibrinated blood. Sodium chloride makes the medium isotonic preventing haemolysis of red blood corpuscles.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
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)		luxuriant				
Pseudomonas aeruginosa (27853)		luxuriant				
Staphylococcus aureus (25923)		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 :		It is a general purpose nutrient medium which can be used for cultivation of bacteria not requiring a highly nutritious medium. The medium can also be enriched with blood, ascetic fluid or other enriching fluids as per International Organization for Standardization (ISO), 1995, Draft ISO/DIS 9308-1.				
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
B1502		31.0 g/l	16.129 L	7.3 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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