

TECHNICAL SHEET

B550		NUTRIENT AGAR			
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Meat Extract B#		1.50			
Yeast extract		1.50			
Sodium chloride		5.00			
Agar		15.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 28 grams 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. Cool to 45-50°C. If desired, the medium can be enriched with 5-10% blood or other biological fluids. Mix well and pour into sterile Petri plates.					
Principle :					
Nutrient Agar contains Meat Extract B and Peptone as carbon and nitrogen sources for general growth requirements. Yeast extract provides essential vitamins. 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) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Cream to light amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 - 48 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			
	Salmonella Typhi (6539)	Good – luxuriant			
	Salmonella Enteritidis (13076)	Good – luxuriant			
	Salmonella Typhimurium (14028)	Good – luxuriant			
	Yersinia enterocolitica (9610)	Good – luxuriant			
	Yersinia enterocolitica (23715)	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.				
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
B550	28g/l	17.857L	7.4 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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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