

TECHNICAL SHEET

SB005	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		
Directions:		
Nutrient Agar is a ready to use solid media in glass bottle. The medium is pre-sterilized; hence it does not need sterilization. Medium in the bottle can be melted either by using a pre-heated water bath or any other method. Slightly loosen the cap before melting. When complete melting of medium is observed dispense the medium as desired and allowed to solidify.		
Principle:		
Nutrient Agar contains Peptic digest of animal tissue, beef extract and yeast extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria. Sodium chloride maintains the osmotic equilibrium of the medium. It can be used for the cultivation and enumeration of bacteria which are not particularly fastidious. Addition of different biological fluids such as horse or sheep blood, serum, egg yolk etc. makes it suitable for the cultivation of related fastidious organisms. This relatively simple formula has been retained and is still widely used in the microbiological examination of variety of materials and is also recommended by standard methods.		
(I) QC Tests		
pH:	7.4	± 0.2
Color:	Light Amber coloured medium	
Appearance:	Sterile Nutrient Agar medium in glass bottle.	
(II) Sterility test		
Passes release criteria		
(III) Q.C. Test Microbiological		
Cultural characteristics after melting the medium and pouring into sterile petri plates. The plates are inoculated with following test organisms and incubation at 35 -37°C for 18-24 hours.		
MICROORGANISM (ATCC)	GROWTH	
Escherichia coli 25922	Good-luxuriant	
Staphylococcus aureus 25923	Good-luxuriant	
Pseudomonas aeruginosa 27853	Good-luxuriant	
Streptococcus pyogenes 19615	Good-luxuriant	

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Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
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 used for cultivation of wide variety of microorganisms.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	100ml / 500ml of medium in sterile glass bottle.

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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