

TECHNICAL SHEET

B268	NIH AGAR				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		15.00			
Yeast extract		5.00			
Dextrose		5.50			
Sodium chloride		2.50			
L-Cystine		0.05			
Agar		15.00			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 43.05 gms. in 1000ml distilled water. Boil to dissolve the medium completely. Dispense into test tubes or flasks as desired. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. As per USP, it is recommended to add 0.05% sodium thioglycollate or 0.03% Thioglycollic acid for neutralization of bacteriostatic effect of mercuric compounds.					
Principle:					
It is a nutritious medium containing nutrients like casein enzymic hydrolysate, yeast extract and the amino acid L-cystine. It contains the fermentable carbohydrate dextrose and sodium chloride for maintaining osmotic equilibrium.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.1 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH			
Escherichia coli (25922)		Good – luxuriant			
Staphylococcus aureus (25923)		Good – luxuriant			
Streptococcus mitis (9895)		Good – luxuriant			
Streptococcus pyogenes (19615)		Good – luxuriant			
Cultural characteristics observed after 18 - 48 hrs at 35-37 °C with addition of sodium thioglycollate.					
MICROORGANISM (ATCC)		GROWTH			
Bacillus subtilis (6633)		Good – luxuriant			
Bacteroides vulgatus (8482)		Good – luxuriant			
Candida albicans (10231)		Good – luxuriant			
Clostridium sporogenes (11437)		Good – luxuriant			
Micrococcus luteus (9341)		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 the cultivation and maintenance of isolation from sterility testing of biological products.					
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
B268	43.05g/l	11.614L	7.1 ± 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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