

B1061	HIGH PLATE COUNT AGAR				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue	3.00				
Casein soluble	0.50				
Dipotassium phosphate	0.20				
Magnesium sulphate		0.05			
Iron (III) chloride		0.001			
Agar		15.00			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 18.8 gms in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Peptic digest of animal tissue and casein provide the necessary nitrogenous compounds for the growth of heterotrophic microorganisms. Metallic salts and dipotassium phosphate together with casein and peptic digest of animal tissue promotes the growth of higher number of microorganisms.					
QC Tests - (I) Dehydrated Medium					
Colour :	Light yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Light yellow				
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				
Bacillus subtilis (6633)	Luxuriant				
Escherichia coli (25922)	Luxuriant				
Lactobacillus casei (9595)	Luxuriant				
Staphylococcus aureus (25923)	Luxuriant				
Enterococcus faecalis (29212)	Luxuriant				
Streptococcus pyogenes (19615)	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 obtaining higher colony by spread plate or pour plate or membrane filter technique.					
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
B1061	18.8 g/l	26.59 L	7.2± 0.2	Nil	121°C/15min.

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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