

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B869	M-(HPC) HETEROTROPHIC PLATE COUNT AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		20.00				
Gelatin		25.00				
Agar		15.00				
Final pH (at 25°C) : 7.1 ± 0.2						
Directions :						
Suspend 60.0 grams in 1000 ml distilled water containing 10 ml glyceorl. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes. Mix well and dispense as desired.						
Principle :						
Peptic digest of animal tissue is the source of nutrients for organisms which are not highly fastidious. Gelatin is utilized by microorganisms through a proteolytic mechanism. The addition of glycerol to the basal medium provides a source of carbon and energy.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.1 ± 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				
Escherichia coli (25922)		Luxuriant				
Pseudomonas aeruginosa (27853)		Luxuriant				
Enterococcus faecalis (29212)		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 enumeration of heterotrophic microorganisms from water samples using 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
B869	60g/l	8.33L	7.1 ± 0.2	NIL	121°C / 15 minutes	