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	121^0C / 15 minutes

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