

**TECHNICAL SHEET**

<b>B1213</b>	<b>M-(HPC) HETEROTROPHIC PLATE COUNT BROTH BASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		20.00				
Gelatin		25.00				
Final pH (at 25°C) : 7.1 ± 0.2						
<b>Directions :</b>						
Suspend 45.0 grams in 1000 ml distilled water containing 10 ml glycerol. 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.						
<b>Principle :</b>						
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.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.1 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		clear solution in tubes				
<b>(III)Q.C. Test Microbiological</b>						
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				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		It is recommended for enumeration of heterotrophic microorganisms from water samples using membrane filter technique.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1213</b>		45.0g/l	11.111 L	7.1 ± 0.2	NIL	121°C / 15 minutes

**Disclaimer:**

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