

TECHNICAL SHEET

B367		MUELLER HINTON BROTH			
Formula					
Ingredients :			Gms/lit.		
Meat, infusion from#			300.00		
Casein acid hydrolysate			17.50		
Starch			1.50		
#- Equivalent to Beef, infusion from					
Final pH (at 25°C) :			7.3 ± 0.1		
Directions :					
Suspend 21 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well before pouring. It is suggested to boil the medium before autoclaving to avoid settling of starch at the bottom.					
Principle :					
Meat infusion and casein acid hydrolysate provide nitrogenous compounds, carbon, sulphur and other essential nutrients. Starch acts as a protective colloid against toxic substances present in the medium. Starch hydrolysis yields dextrose, which serves as a source of energy.					
QC Tests – (I)Dehydrated Medium					
		Colour :		Cream to yellow	
		Appearance :		Homogeneous Free Flowing powder	
(II)Rehydrated medium					
		pH (post autoclaving/heating) :		7.3 ± 0.1	
		Colour (post autoclaving/heating) :		Light amber	
		Clarity (post autoclaving/heating) :		Clear	
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18- 24 hours at 35-37°C.					
		MICROORGANISM (ATCC)		GROWTH	
		Escherichia coli (25922)		good-luxuriant	
		Pseudomonas aeruginosa (27853)		good-luxuriant	
		Staphylococcus aureus (25923)		good-luxuriant	
		Enterococcus faecalis (19433)		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 in this medium.			
Use :		Recommended for determination of Invitro susceptibility of bacterial strains against antibacterial agents by broth dilution methods.			
Storage :		Dehydrated medium -below 30°C Prepared medium – Between 2 to 8°C. Use freshly prepared medium.			
Packing :		500 gm. bottle			
Product profile:		Reconstitution		Quantity on Preparation (500g)	
		pH (25°C)		Supplement	
		Sterilization			
B367		21g/l		23.80L	
		7.3 ± 0.1		NIL	
		121 ⁰ C / 15 minutes			

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 BIOMARK LABORATORIES publications.

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