

TECHNICAL SHEET

B1064	HIPPURATE HYDROLYSIS BROTH				
Formula					
Ingredients :		gms/lit.			
Heart infusion powder		10.00			
Peptic digest of animal tissue		10.00			
Sodium chloride		5.00			
Sodium hippurate		10.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 35 gms in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense 5 ml amounts in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Heart infusion and Peptic digest of animal tissue provides essential nutrients required for bacterial metabolism. Sodium chloride maintains osmotic equilibrium. Sodium hippurate serves as the substrate for the measurement of hippurate hydrolysis.					
QC Tests - (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		Light amber to yellow			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24-48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		HIPPURATE HYDROLYSIS	
Streptococcus agalactiae (4768)		Luxuriant		+	
Streptococcus pyogenes (19615)		Luxuriant		-	
Enterococcus faecalis (29212)		Luxuriant		-	
Key : + = brown flocculant precipitate persisting on shaking after 10 minutes. - = precipitate if any, dissolves on shaking.					
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 detection of hippurate hydrolyzing microorganisms.			
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			
B1064	35.0 g/l	14.28 L	7.4± 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 BIOMARK LABORATORIES publications.

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