

B1097	LACHICAS MEDIUM BASE				
Formula					
Ingredients :		gms/lit.			
Beef heart, infusion from		500.00			
Tryptose		10.00			
Sodium chloride		5.00			
Amylose azure		3.00			
Agar		15.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 43 grams in 1000 ml distilled water. Heat gently to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Aseptically add sterile rehydrated contents of 1 vial of Ampicillin Supplement (BF095). Mix well and pour into sterile Petri plates.					
Principle :					
Beef heart infusion and tryptose provide the essential nitrogenous nutrients while sodium chloride maintains osmotic balance of the medium. A. hydrophila colonies are surrounded by a light halo on blue background and the external addition of iodine to the plate is not necessary.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light yellow to bluish grey			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		Dark blue			
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel			
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added Ampicillin Supplement (BF095), after an incubation at 35-37°C for 24-48 hours.					
MICROORGANISM (ATCC)		GROWTH			
Aeromonashydrophila (7966)		Luxuriant			
Salmonella Typhi (6539)		Inhibited			
Escherichia coli (25922)		Inhibited			
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 :		It is used for isolation and cultivation of Aeromonashydrophila from foods stored under different temperature conditions.			
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	
B1097	43.0g/l	11.627 lit	7.4 ± 0.2		121°C/15 min

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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