

TECHNICAL SHEET

B1079	KAPER'S MEDIUM				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		5.00			
Casein enzymichydrolysate		10.00			
Yeast extract		3.00			
L-Ornithine hydrochloride		5.00			
Mannitol		1.00			
Inositol		10.00			
Sodium thiosulphate		0.40			
Ferric ammonium citrate		0.50			
Bromo cresol purple		0.02			
Agar		3.00			
Final pH (at 25°C) : 6.7 ± 0.2					
Directions :					
Suspend 38 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense into tubes (5ml) and sterilize by autoclaving at 15 lbs pressure (121°C) for 12 minutes.					
Principle :					
Casein enzymichydrolysate, proteose peptone and yeast extract provide essential nitrogenous compounds and B vitamin etc. Sodium thiosulphate and ferric ammonium citrate act as indicators of H ₂ S production. Bromo cresol purple is the pH indicator which is yellow at acidic pH and purple at neutral to alkaline pH values.					
QC Tests - (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.7 ± 0.2			
Colour (post autoclaving/heating) :		Purple			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 -48 hrs.at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		MEDIUM	
Aeromonas hydrophila (7966)		Luxuriant		Acidic butt, with alkaline band at the top	
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 and identification of Aeromonas hydrophila from food.			
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.			
Packing :		500 gm bottle			
Product profile:		Reconstitution		Quantity on Preparation (500g)	
B1079		38g/l		13.15L	
				pH (25°C)	
				Supplement	
				Sterilization	
				6.7 ± 0.2	
				NIL	
				121°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 BIOMARKLABORATORIES publications.

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