

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B579		MOTILITY TEST MEDIUM			
Formula					
Ingredients :		gms/lit.			
Tryptose		10.00			
Sodium chloride		5.00			
Agar		5.00			
Final pH (at 25°C) :		7.2 ± 0.2			
Directions :					
Suspend 20 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow tubed medium to cool in an upright position.					
Principle :					
Tryptose serve as a source of essential growth nutrients required for bacterial metabolism. Sodium chloride maintains the osmotic equilibrium of the medium. Small amount of agar helps to create a semisolid medium.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel forms in tubes as butt			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours.					
MICROORGANISM (ATCC)		GROWTH		MOTILITY	
Escherichia coli (25922)		luxuriant		positive, growth away from stabline causing turbidity	
Enterobacter aerogenes (13048)		luxuriant		positive, growth away from stabline causing turbidity	
Klebsiella pneumoniae 913883)		luxuriant		negative, growth along the stabline, surrounding medium remains clear	
Salmonella Enteritidis (13076)		luxuriant		positive, growth away from stabline causing turbidity	
Staphylococcus aureus (25923)		luxuriant		negative, growth along the stabline, surrounding medium remains clear	
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 recommended for detection of bacterial motility.			
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.			
Packing :		500 gm. bottle			
Product profile:		Reconstitution		Quantity on Preparation (500g)	
B579		20.0 g/l		25.0 L	
				pH (25°C)	
				7.2 ± 0.2	
				Supplement	
				Nil	
				Sterilization	
				121°C / 15 minutes	