

TECHNICAL SHEET

B262	MOTILITY TEST MEDIUM (EDWARDS AND EWING)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Meat extract B #		3.00				
Sodium chloride		5.00				
Agar		4.00				
# Equivalent to Beef Extract						
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 22 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense 8 ml amounts in test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubed medium in an upright position.						
Principle :						
Peptic digest of animal tissue, beef extract serves as sources 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) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18- 48 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	MOTILITY			
Enterobacter aerogenes (13048)		Luxuriant	Positive, growth away from stabline causing turbidity			
Escherichia coli (25922)		Luxuriant	Positive, growth away from stabline causing turbidity			
Klebsiella pneumoniae (13883)		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			
Vibrio cholerae (15748)		Luxuriant	Positive, growth away from stabline causing turbidity			
Vibrio parahaemolyticus (17802)		Luxuriant	Positive, growth away from stabline causing turbidity			
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. 2. Many organisms fail to grow deep in semisolid media, inoculating pour plates may be advantageous.				
Use :		It is used for testing motility of enteric bacteria.				
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
B262	22.0 g/l	22.727L	7.4 ± 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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