

TECHNICAL SHEET

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B1448	LISTERIA MOTILITY MEDIUM				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		20.00			
Peptic digest of animal tissue		6.10			
Agar		3.50			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 29.6 gms. in 1000ml. 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 the tubed medium to cool in an upright position.					
Principle :					
Casein enzymic hydrolysate and peptic digest of animal tissue acts as source of growth nutrients. The motility of <i>Listeria monocytogenes</i> is best demonstrated by stab inoculating two tubes of semisolid medium and incubating one at room temperature (20-25°C) and the other at 35°C. Motility is better observed at room temperature.					
QC Tests – (I)Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.3 ± 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 24 – 48 hrs. at room temperature (25-30°C).					
MICROORGANISM (ATCC)		GROWTH	MOTILITY		
<i>Listeria monocytogenes</i> (19117)		Luxuriant	+		
<i>Listeria monocytogenes</i> (19111)		Luxuriant	+		
<i>Listeria monocytogenes</i> (19112)		Luxuriant	+		
<i>Staphylococcus aureus</i> (25923)		Luxuriant	-		
Key : + = growth away from stabline - = growth along the stabline					
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 testing motility of <i>Listeria monocytogenes</i> by International Organization for Standardization (ISO), 1993, Draft ISO/DIS 10560			
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
B1448	29.6 g/l	16.89lit	7.3 ± 0.2	Nil	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 BIOMARKLABORATORIES publications.

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