

TECHNICAL SHEET

B1484	SEMISOLID NUTRIENT AGAR					
Formula						
Ingredients :				gms/lit.		
Peptic digest of animal tissue				5.00		
Beef extract				3.00		
Agar				4.00		
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 12 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubes to cool in an upright position.						
Principle :						
Peptic digest of animal tissue and beef extract provide essential growth nutrients. The motile cultures grow away from stabline while non-motile grow along the stabline. After inoculation, with the test organism, insert a lead acetate paper strip (BDD025) between the plug and inner wall of tube. Lead acetate strip incorporation helps to detect H ₂ S production.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		clear gel forms in tubes as butts				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours						
MICROORGANISM (ATCC)	GROWTH	MOTILITY	H ₂ S (WITH LEAD ACETATE STRIP)			
Escherichia coli (25922)	luxuriant	positive, growth away from stabline causing turbidity	negative reaction, no blackening			
Salmonella Typhi (6539)	luxuriant	positive, growth away from stabline causing turbidity	positive reaction, blackening of the lower portion of the strip			
Salmonella Enteritidis (13076)	luxuriant	positive, growth away from stabline causing turbidity	positive reaction, blackening of the lower portion of the strip			
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 Salmonella species on the basis of motility and hydrogen sulphide (H ₂ S) production as per International Organization for Standardization (ISO), 1993, Draft ISO/DIS 6579 and Bureau of Indian Standards, IS:5887, (Part 3) 1999.				
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
B1484		12.0 g/l	41.666 L	7.0 ± 0.2	Nil	121°C/15 minutes.

Refer disclaimer Overleaf

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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