BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B259	**SEMISOLID NUTRIENT AGAR**
Formula	
Ingredients :	**gms/lit.**
Peptic digest of animal tissue	5.00
Meat extract B #	3.00
Agar	4.00
Final pH (at 25°C) : 7.0 ± 0.2	
Directions :	
Suspend 12 gms. in 1000ml. distilled water. Boil 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 stab line while non-motile grow along the stabline. Lead acetate strip incorporation helps to detect H_2S 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
(III)Q.C. Test Microbiological	
Cultural characteristics observed after 18 -24 hrs at 35-37°C.	

MICROORGANISM (ATCC)	GROWTH	MOTILITY	H_2S (WITH LEAD ACETATE STRIP)
Salmonella typhi (6539)	Luxuriant	+	+
Salmonella enteritidis (13076)	Luxuriant	+	+
Escherichia coli (25922)	Luxuriant	+	-

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 detection of Salmonella species in the basis of motility and hydrogen sulphide (H_2S) production.
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
B259	12g/l	41.666L	7.0 ± 0.2	NIL	121^0C / 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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