BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1060	**HERELLEA AGAR**

Formula

Ingredients :	**gms/lit.**
Casein enzymic hydrolysate	15.00
Papaic digest of soyabean meal	5.00
Sodium chloride	5.00
Lactose	10.00
Maltose	10.00
Bile salt mixture	1.25
Bromo cresol purple	0.02
Agar	16.00

Final pH (at 25°C) : 6.8 ± 0.2

Directions :

Suspend 62.27 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle :

Casein enzymic hydrolysate and papaic digest of soyabean meal are sources of carbon, nitrogen, vitamins and minerals. Sodium chloride provides the essential ions and also maintains the osmotic equilibrium of the medium. Bile salts mixture in the medium acts as selective agent, inhibiting the growth of Neisseria species and other gram-positive organisms. Lactose and maltose are the fermentable carbohydrates. Bromocresol purple acts as the pH indicator. . Fermentative gram-negative bacteria ferment the carbohydrates to produce acid, which cause a corresponding change in the colour of pH indicator dye to yellow.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	6.8 ± 0.2
Colour (post autoclaving/heating) :	Purple
Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological	

Cultural characteristics observed after 18 –24 hours at 35-37°C.

MICROORGANISM (ATCC)	GROWTH	COLOUR	
Acinetobacter calcoaceticus (17961)	Luxuriant	Pale lavender	
Acinetobacter lwoffii (9957)	Luxuriant	Pale lavender	
Escherichia coli (25922)	Luxuriant	Yellow	
Listeria monocytogenes (19112)	Inhibited	-	
Staphylococcus aureus (25923)	Inhibited	-	

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 the selective isolation and differentiation of gram-negative, fermentation and non-fermentative organisms especially for differentiation of organisms of Mima and Herellea group.
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
B1060	62.27 g/l	16.05 L	6.8 ± 0.2	Nil	121^0C/15min.