

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1461	MUELLER HINTON AGAR NO.2					
Formula						
Ingredients :		gms/lit.				
Acid Digest of Casein		17.50				
Meat Extract B #		2.00				
Starch		1.50				
Agar Special		17.00				
# Equivalent to Beef Extract						
Final pH (at 25°C) : 7.3 ± 0.1						
Directions :						
Suspend 38 gms.in 1000 ml. distilled water. Mix well and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.						
Principle :						
Beef Extract and casein acid hydrolysate provide nitrogenous compounds, carbon, sulphur and other essential nutrients. Starch is added to absorb any toxic substances present in the medium. Agar is the solidifying agent.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 0.1				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 - 48 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Good - Luxuriant				
Staphylococcus aureus (25923)		Good - Luxuriant				
Pseudomonas aeruginosa (27853)		Good - Luxuriant				
Streptococcus pneumoniae (6305)		Good - Luxuriant*				
Haemophilus influenzae (10211)		Good - Luxuriant***				
Key : * = growth on Mueller Hinton Agar						
*** = growth on Mueller Hinton Chocolate Agar						
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 testing susceptibility of common and rapidly growing bacteria using antimicrobial discs by the Bauer - Kirby method.(NCCLS method)				
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
B1461		38g/l	13.157L	7.3 ± 0.1	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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