

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B110	B.T.B. LACTOSE AGAR				
Formula					
Ingredients:	gms/lit.				
Proteose peptone	5.00				
Meat Extract B #	3.00				
Lactose	10.00				
Bromo thymol blue	0.17				
Agar	15.00				
# Equivalent to Beef extract					
Final pH (at 25°C) : 8.6 ± 0.2					
Directions:					
Suspend 33.17 gms. 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:					
Proteose peptone and meat extract B provide essential nutrients. Lactose is the source of carbohydrates. Pathogenic Staphylococci are differentiated by their ability to grow at a high pH and in the presence of bromo thymol blue.					
QC Tests - (I) Dehydrated Medium					
Colour :	Cream to Greenish yellow				
Appearance:	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	8.6 ± 0.2				
Colour (post autoclaving/heating) :	Greenish blue				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24- 48 hrs at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
Staphylococcus aureus (6538)	Luxuriant	Golden yellow			
Staphylococcus epidermidis (12228)	Luxuriant	Blue / colourless			
Escherichia coli (25922)	Luxuriant	Yellow			
Salmonella typhi (6539)	Luxuriant	Blue / colourless			
Staphylococcus aureus (6538)	Luxuriant	Golden yellow			
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 isolation of pathogenic Staphylococci.				
Storage :	Dehydrated medium- below 8°C Prepared medium - Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B110	33.17g/l	15.073L	8.6 ± 0.2	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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