

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B142	CHINA BLUE LACTOSE AGAR				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Meat extract B #		3.00			
Lactose		10.00			
Sodium chloride		5.00			
China blue		0.30			
Agar		15.00			
# Equivalent to Beef extract					
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 38.3 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 :					
China blue is a pH indicator which helps in differentiating lactose and lactose non – fermenters. However, this medium does not restrict the growth of cocci and hence can be used for the detection of Streptococci and Staphylococci as well as coli-aerogenes group.					
QC Tests – (I) Dehydrated Medium					
Colour :		Light yellow to greenish yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light blue			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 22-24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY	
Escherichia coli (25922)		Luxuriant		Blue	
Salmonella typhi (6539)		Luxuriant		colourless	
Shigella flexneri (12022)		Luxuriant		colourless	
Proteus vulgaris (13315)		Luxuriant		colourless	
Staphylococcus aureus (25923)		Luxuriant		colourless	
Enterococcus faecalis (29212)		Luxuriant		Blue	
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 differentiation and enumeration of bacteria in milk.					
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			
B142	38.3g/l	13.05L	7.0 ± 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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