

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B646	NEUTRAL RED CHALK LACTOSE AGAR					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		3.00				
Meat extract B#		3.00				
Yeast extract		3.00				
Lactose		10.00				
Calcium carbonate		15.00				
Neutral red		0.05				
Agar		15.00				
# - Equivalent to Beef extract						
Final pH (at 25°C) : 6.8± 0.2						
Directions :						
Suspend 49.05 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.						
Principle :						
Peptone from meat and Meat extract and yeast extract provide the necessary nitrogen compounds, carbon and vitamins. Neutral red is indicator.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow to beige				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Pink				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs at 35 – 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Streptococcus thermophilus (14485)		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 :		Neutral Red Chalk Lactose Agar is used for detection of lactic Streptococci in milk and milk products.				
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
B646	49.05 g/l	10.19L	6.2 ± 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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