

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B622	MILK SALT AGAR BASE				
Formula					
Ingredients :					
	gms/lit.				
Peptic digest of animal tissue	5.00				
Meatextract B#	3.00				
Sodium chloride	65.00				
Agar	15.00				
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.4± 0.2					
Directions :					
Suspend 88 gms. in 900 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 60°C. Aseptically add 10ml of sterile skim milk (10% w/v skim milk powder solution) to every 90ml of basal medium. Mix well and pour into sterile petri plates.					
Principle :					
This is simple but nutritious medium. Meat extract , peptic digest of animal tissue and skim milk supply essential nutrients mainly nitrogenous, some carbon compounds, trace ingredients etc. to the Staphylococci. 6.5% sodium chloride makes the medium highly selective as majority of the contaminating organisms are inhibited.					
QC Tests – (I)Dehydrated Medium					
Colour :	Light yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.4 ± 0.2				
Colour (post autoclaving/heating) :	Yellow				
Clarity (post autoclaving/heating) :	Opaque				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 48 hours at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH				
Staphylococcus aureus (25923)	Good - Luxuriant				
Escherichia coli (25922)	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 selective isolation and cultivation of Staphylococci.					
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
B622	88g/l	5.681L	7.4 ± 0.2	skim milk	121 ⁰ 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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