

TECHNICAL SHEET

B863	M-STAPHYLOCOCCUS BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		10.00			
Yeast extract		2.50			
Lactose		2.00			
Mannitol		10.00			
Dipotassium hydrogen phosphate		5.00			
Sodium chloride		75.00			
Sodium azide		0.049			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 104.55 gms. in 1000ml distilled water. Mix thoroughly and boil for 5 minutes. DO NOT AUTOCLAVE. For 10ml inocula use double strength medium.					
Principle :					
Casein enzymic hydrolysate and yeast extract supply essential growth factors such as nitrogen, carbon, sulphur, vitamins and trace ingredients. The 7.5% concentration of sodium chloride results in the partial or complete inhibition of bacteria except Staphylococci. Mannitol and lactose are utilized as energy sources.					
QC Tests - (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 -48 hrs.at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Staphylococcus aureus (25923)		Good - luxuriant			
Staphylococcus epidermidis (12228)		Good - luxuriant			
Escherichia coli (25922)		Inhibited			
Enterococcus faecalis (29212)		Inhibited			
Streptococcus pyogenes (19615)		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 detection and isolation of Staphylococci by membrane filter technique.					
Storage :					
Dehydrated medium- below 30°C Prepared medium- Freshly prepared.					
Packing :					
500 gm bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B863	104.55g/l	4.782L	7.0 ± 0.2	NIL	DO NOT AUTOCLAVE

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 BIOMARK LABORATORIES publications.

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