

TECHNICAL SHEET

B896	LIPOVITELLIN SALT MANNITOL AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Meat extract B#		1.00				
Peptone, special		10.00				
Sodium chloride		75.00				
D-Mannitol		10.00				
Phenol red		0.025				
Agar		15.00				
# Equivalent to Beef Extract						
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 11.1 grams in 93 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add 7 ml of sterile Egg Yolk Emulsion (BF003) to get a final concentration of 2%. Mix well and pour into sterile Petri plates.						
Principle :						
Meat extract B and peptone special serve as sources of essential nutrients required for bacterial growth. Sodium chloride in higher concentration makes the medium selective for Staphylococcus by inhibiting accompanying flora. D-Mannitol is the fermentable carbohydrate, fermentation of which leads to acid production, detected by the pH indicator dye, namely phenol red. Egg yolk emulsion serves as a source of lipids for lipase activity.						
QC Tests – (I) Dehydrated Medium						
	Colour :	Light yellow to pink				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	7.4 ± 0.2				
	Colour (post autoclaving/heating) :	Basal medium : Red. After addition of 2% Egg Yolk Emulsion : Pink				
	Clarity (post autoclaving/heating) :	Basal medium : clear to slightly opalescent gel. After addition of 2% Egg Yolk Emulsion: Opaque				
(III) Q.C. Test Microbiological						
	Cultural characteristics observed with added egg yolk emulsion, after an incubation at 35-37°C for 24-48 hours .					
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	LIPASE ACTIVITY		
	Staphylococcus aureus (25923)	Good - Luxuriant	yellow colonies with yellow opaque zone around the colonies	positive, iridescent sheen on the colony surface and medium		
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 :		It is used for selective isolation and identification of pathogenic Staphylococcus aureus by detecting lipase production and mannitol fermentation.				
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
B896		111.03 g/l	4.50 lit	7.4 ± 0.2	Egg Yolk Emulsion (BF003)	121°C/15 min

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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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