

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B868	M-LAURYL SULPHATE BROTH					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		39.00				
Yeast extract		6.00				
Lactose		30.00				
Sodium lauryl sulphate		1.00				
Phenol red		0.20				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 76.2 gms in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by steaming for 30 minutes on three consecutive days or by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptic digest of animal tissue and yeast extract provide nitrogen, vitamins, amino acids and minerals. Lactose is the fermentable carbohydrate for coliforms. Sodium Lauryl sulphate is the selective agent used to inhibit organisms other than coliforms. Phenol red is pH indicator.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light pink				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Red				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 hrs. at						
MICROORGANISM (ATCC)		GROWTH AT 35°C		GROWTH AT 44°C		
Escherichia coli (25922)		+		+		
Enterobacteraerogenes (13048)		+		-		
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 enumeration of E. Coli and Coliforms in water, using membrane filter technique.				
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
B868		76.2g/l	6.56L	7.4 ± 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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.