

TECHNICAL SHEET

B1494	M-LAURYL SULPHATE BROTH					
Formula						
Ingredients :			gms/lit.			
Peptic digest of animal tissue			40.00			
Yeast extract			6.00			
Lactose			30.00			
Sodium lauryl sulphate			1.00			
Phenol red			0.200			
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 77.2 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by steaming for 30 minutes on three consecutive days or by autoclaving at 15 lbs 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 yellow to 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 an incubation at 18 hours at different temperatures					
	MICROORGANISM (ATCC)	GROWTH AT 35-37°C	COLOUR OF COLONY ON MEMBRANE	GROWTH AT 43-45°C	COLOUR OF COLONY ON MEMBRANE	
	Escherichia coli (25922)	luxuriant	yellow	luxuriant	yellow	
	Enterobacter aerogenes (13048)	luxuriant	yellow	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 :		It is used for enumeration of Escherichia coli and coliforms in water, using membrane filter technique.Recommended by International Organization for Standardization, 1990, Draft ISO/DIS: 9308-1				
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
		77.2g/l	6.476 L	7.4 ± 0.2	NIL	121 ^o C / 15 minutes
B1494		77.2g/l	6.476 L	7.4 ± 0.2	NIL	121 ^o 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 BIOMARK LABORATORIES publications.

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