

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B992	COLIFORM MEDIUM (CM)					
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Yeast extract		6.00				
Bile salts		20.00				
Lactose		20.00				
Sodium deoxycholate		0.10				
Sodium lauryl sulphate		1.00				
Bromo cresol purple		0.025				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 57.1 gms.in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes (25 minutes for yogurt testing)						
Principle :						
Coliform broth is used for isolation and cultivation of coliform organisms from cream, yogurt and raw milk which is recommended by APHA. It is a selectivity as well as differential medium for the cultivation of coliforms. Number of selective media are recommended for use in enrichment, presumptive identification and confirmatory procedures for demonstrating the presence of coliforms in materials of sanitary importance.						
QC Tests – (I)Dehydrated Medium						
	Colour :	Greenish yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium						
	pH (post autoclaving/heating) :	7.0 ± 0.2				
	Colour (post autoclaving/heating) :	Purple				
	Clarity (post autoclaving/heating) :	Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 –48 hrs. at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH	ACID	GAS		
	Enterobacter aerogenes (13048)	Good – luxuriant	+, Yellow Colour	+		
	Escherichia coli (25922)	Good – luxuriant	+, Yellow Colour	+		
	Staphylococcus aureus (25923)	Inhibited	-	-		
	Salmonella typhimurium (14028)	Good – luxuriant	-, No Colour change	-		
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 isolation and cultivation of coliform organisms from cream,yogurt and raw milk.				
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
B992		57.1g/l	8.756 L	7.0 ± 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.

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