

TECHNICAL SHEET

B950	BROMOCRESOL PURPLE BROTH WITH LACTOSE				
Formula					
Ingredients:		gms/lit.			
Peptic digest of animal tissue	10.00				
Meat extract	3.00				
Sodium chloride	5.00				
Lactose	10.00				
Bromo cresol purple	0.02				
Final pH (at 25°C): 7.2 ± 0.2					
Directions:					
Suspend 28.02 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense in tubes containing Durham's tubes and sterilize by autoclaving at 115°C for 20 minutes.					
Principle :					
The medium contains peptic digest of animal tissue and meat extract, which supplies the essential nutrients for E. coli and other coliforms. Sodium chloride maintains the osmotic equilibrium of the medium. Lactose upon fermentation by coliforms produce acid and is indicated by the pH indicator bromo cresol purple. It turns yellow at acidic pH.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance:	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Purple				
Clarity (post autoclaving/heating) :	Clear				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs at 35- 37°C.					
MICROORGANISM (ATCC)	GROWTH	ACID	GAS		
Escherichia coli (25922)	Good – luxuriant	Positive reaction, yellow colour	Positive reaction		
Klebsiella pneumoniae (13883)	Good – luxuriant	Positive reaction, yellow colour	Positive reaction		
Salmonella typhimurium (14028)	Good – luxuriant	Negative reaction, no colour change	Negative reaction		
Enterococcus faecalis (29212)	Fair – good	Variable reaction	Negative reaction		
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 identification of Escherichia coli and coliform bacteria from water.				
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
B950	28.02 g/l	17.844 L	7.2 ± 0.2	NIL	115°C / 20 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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