

B984	CHOLERA MEDIUM				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		10.00			
Meat extract B#		10.00			
Sucrose		10.00			
Sodium lauryl sulphate		0.10			
Sodium chloride		20.00			
Sodium carbonate		5.00			
Agar		10.00			
#Equivalent to Beef extract					
Final pH (at 25°C) : 8.5 ± 0.2					
Directions :					
Suspend 65.1 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Cool to 70°C and add 2 ml of a sterile 1% Potassium Tellurite Solution and 5 ml of sterile defibrinated blood. Maintain at 70°C for a few minutes. Cool to 50°C and pour plates.					
Principle :					
Meat extract B and peptic digest of animal tissue provide nitrogenous nutrients whereas sucrose serves as the fermentable carbohydrate source for the metabolism of Vibrios. Sodium lauryl sulphate inhibits many contaminating organisms. Potassium tellurite also inhibits many gram – positive and gram – negative bacteria except Vibrios. Sodium chloride maintains osmotic equilibrium.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Light yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	8.5 ± 0.2			
	Colour (post autoclaving/heating) :	a) Basal medium : Yellow b) with addition of tellurite and blood upon heating form : Brownish red.			
	Clarity (post autoclaving/heating) :	a) Slightly opalescent b) Opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 –24 hrs.at35-37°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Vibrio cholerae (15748)	Luxuriant			
	Vibrio parahaemolyticus (17802)	Luxuriant			
	Bacillus subtilis (6633)	Inhibited			
	Escherichia coli (25922)	Inhibited			
	Pseudomonas aeruginosa (27853)	Inhibited			
	Proteus mirabilis (25933)	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 :					
For selective isolation of Vibrio specimens grossly contaminated with Enterobacteriaceae.					
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
B984	65.1g/l	L	8.5 ± 0.2	sterile 1% Potassium Tellurite Solution and 5 ml of sterile defibrinated blood	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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