

B993	COLONIZATION MEDIUM W/ DULBECCOS PHOSPHATE BUFFER				
Formula					
Ingredients :					
	gms/lit.				
Brain heart infusion powder	0.70				
Bile salts mixture	0.14				
Mannose	1.40				
Potassium chloride	0.20				
Monopotassium phosphate	0.20				
Sodium chloride	8.00				
Dipotassium phosphate	1.15				
Final pH (at 25°C):7.5±0.2					
Directions :					
Suspend 11.79 grams in 1000 ml distilled water. Mix well and sterilize by filtration through a 0.45 mm membrane. DO NOT AUTOCLAVE OR HEAT the medium.					
Principle :					
Brain heart infusion in the medium provides necessary nutrients like amino acids, growth factors and trace ingredients for the growth of enterotoxigenic E. coli. Mannose acts as an energy sources as well as differentiates mannose-sensitive and mannose resistant adherence. Phosphates buffer the medium. Bile salts mixture inhibits the contaminating flora while sodium chloride maintains the osmotic equilibrium.					
QC Tests - (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.5±0.2			
	Colour (post autoclaving/heating) :	Light to medium amber			
	Clarity (post autoclaving/heating):	Clear solution without any precipitate			
(III)Q.C. Test Microbiological					
	Satisfactory results are obtained when used for preparation of suspension of enterotoxigenic Escherichia coli used for HeLa cells test for colonisation.				
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 to prepare the solution of enterotoxigenic Escherichia coli used for colonization test in HeLa cell lines.				
Storage :					
	Dehydrated medium and prepared medium- Between 2 to 8°C.				
Packing :					
	500 gm bottle				
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B993	11.79g/l	42.40L	7.5±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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