

B570		KF STREPTOCOCCUS BROTH WITH BCP				
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Casein enzymichydrolysate		5.00				
Yeast extract		10.00				
Sodium chloride		5.00				
Sodium glycerophosphate		10.00				
Maltose		20.00				
Lactose		1.00				
Sodium azide		0.40				
Bromo cresol purple		0.015				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 56.4 gms in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Continue heating for 5 more minutes. Dispense in 100ml amounts or as desired in flasks. DO NOT AUTOCLAVE. Overheating will lower the pH and tender the medium less productive. Cool to 50°C and add 1 ml of 1% sterile TriphenylTetrazolium Chloride Solution (BF044) per 100 ml sterile medium						
Principle :						
Peptic digest of animal tissue and Casein enzyme hydrolysate provide nitrogen, amino acids and carbon. Yeast Extract is a source of trace elements, vitamins and amino acids. Maltose and Lactose are the fermentable carbohydrates and carbon source. Sodium Azide is the selective agent. Bromo Cresol Purple is the indicator dye.						
The addition of 1% triphenyltetrazolium chloride, in the membrane filter procedure, causes the enterococci to have a deep red colour as a result of tetrazolium reduction to an acid azo dye.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to grayish yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light purple				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 – 72hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY		
Enterococcus faecalis (29212)		Luxuriant		Red		
Enterobacteraerogenes (13048)		Inhibited		--		
Escherichia coli (25922)		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 detection and enumeration of faecal Streptococci.				
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
B570		56.4g/l	8.86L	7.2 ± 0.2	1% sterile TriphenylTetrazolium Chloride	DO NOT AUTOCLAVE

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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