

## TECHNICAL SHEET

<b>B1078</b>	<b>KF STREPTOCOCCUS AGAR w/ BCP</b>				
<b>Formula</b>					
<b>Ingredients :</b>			<b>gms/lit.</b>		
Proteose peptone			10.00		
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		
Agar			20.00		
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 76.41gms 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 Triphenyl Tetrazolium Chloride Solution (BF044) per 100 ml sterile medium. Allow to cool to 45°C for making pour plates.					
<b>Principle :</b>					
Proteose Peptone provide a source of nitrogen, amino acids and carbon. Yeast Extract is a source of trace elements, vitamins and amino acids. Maltose and Lactose are fermentable carbohydrates and carbon sources. Sodium Azide is a selective agent. Bromo Cresol Purple is an indicator dye. The addition of 1% triphenyltetrazolium chloride (TTC) causes enterococci to develop a deep red color following reduction of tetrazolium to an acid azo dye.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :			Cream to grayish yellow		
Appearance :			Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :			7.2 ± 0.2		
Colour (post autoclaving/heating) :			Light purple		
Clarity (post autoclaving/heating) :			Clear to slightly opalescent		
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48 – 72hrs at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH	COLOUR OF COLONY		
Enterococcus faecalis (29212)		Luxuriant	Red		
Enterobacter aerogenes (13048)		Inhibited	--		
Escherichia coli (25922)		Inhibited	--		
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.			
<b>Use :</b>		For detection and enumeration of faecal Streptococci.			
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.			
<b>Packing :</b>		500 gm. bottle			
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement
					Sterilization
<b>B1078</b>		76.41 g/l	6.54L	7.2 ± 0.2	1% sterile Triphenyl Tetrazolium 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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