

**TECHNICAL SHEET**

<b>B707</b>	<b>SF BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		20.00			
Dextrose		5.00			
Dipotassium phosphate		4.00			
Monopotassium phosphate		1.50			
Sodium azide		0.50			
Sodium chloride		5.00			
Bromo cresol purple		0.032			
Final pH (at 25°C) : 6.9 ± 0.2					
<b>Directions :</b>					
Suspend 36 gms.in 1000ml. distilled water. For double strength broth use 72 gms.in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Casein enzymic hydrolysate provides essential growth nutrients. Dextrose is the fermentable carbohydrate. Sodium azide inhibits gram – negative organisms making it selective for Enterococci. Bromo cresol purple is the pH indicator. Phosphates buffer the medium while sodium chloride maintains osmotic equilibrium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	PH (post autoclaving/heating) :	6.9 ± 0.2			
	Colour (post autoclaving/heating) :	Purple			
	Clarity (post autoclaving/heating) :	Clear			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 48 hrs at 45 - 46°C.					
	MICROORGANISM (ATCC )	GROWTH	COLOUR OF THE MEDIUM		
	Enterococcus faecalis (29212)	Luxuriant	Yellow		
	Escherichia coli (25922)	Inhibited	Purple		
	Streptococcus bovis (33317)	Inhibited	Purple		
	Streptococcus pyogenes (19615)	Inhibited	Purple		
<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 selective cultivation, detection and differentiation of Enterococci from other cocci in diagnostic work.				
<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>B707</b>	36g/l	13.888L	6.9 ± 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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