

TECHNICAL SHEET

B708	SF BROTH MODIFIED				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate	9.00				
Glucose	20.00				
Yeast extract	5.00				
Sodium citrate	10.00				
Dipotassium phosphate	1.00				
Monopotassium phosphate	1.00				
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 46.0 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide necessary nutrients like nitrogenous compounds and vitamin B complex. Sodium citrate is an inhibitor for gram negative bacteria. Glucose is the fermentable carbohydrate source in the medium. Dipotassium and monopotassium phosphate help in buffering the medium.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
PH (post autoclaving/heating) :	6.8 ± 0.2				
Colour (post autoclaving/heating) :	yellow				
Clarity (post autoclaving/heating) :	Clear solution without any precipitate				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.					
MICROORGANISM (ATCC)	GROWTH				
Enterococcus faecalis (29212)	good				
Escherichia coli (25922)	good				
Streptococcus bovis (33317)	good				
Streptococcus pyogenes (19615)	good				
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 for detection of Enterococci in diagnostic work.				
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
B708	46g/l	10.869L	6.8 ± 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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