

TECHNICAL SHEET

B705	SBG ENRICHMENT BROTH					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Yeast extract		5.00				
Mannitol		5.00				
Sodium taurocholate		1.00				
Sodium hydrogen selenite		4.00				
Dipotassium phosphate		2.65				
Monopotassium phosphate		1.02				
Brilliant green		0.005				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 23.7 gms.in 1000ml. distilled water. Heat to boiling for 5-10 minutes. DO NOT AUTOCLAVE OR OVERHEAT. Dispense in sterile tubes. Add 0.5 g/l Sodium sulfapyridine if desired.						
Principle :						
Peptic digest of animal tissue and yeast extract provide nitrogenous compounds, carbon, sulphur, vitamin B complex and trace elements necessary for the growth of organisms. Mannitol is the fermentable carbohydrate. Phosphates buffer the medium well. Brilliant green, sodium hydrogen selenite, sodium taurocholate inhibit the growth of gram – positive organisms and enteric organisms except Salmonella species.						
QC Tests – (I)Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light green				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C when subcultured on MacConkey Agar.						
MICROORGANISM (ATCC)		RECOVERY	COLOUR OF COLONY			
Salmonella cholerasuis (12011)		Excellent	Colourless			
Salmonella typhi (6539)		Excellent	Colourless			
Salmonella typhimurium (14028)		Excellent	Colourless			
Escherichia coli (25922)		None – poor	Pink to colourless, bile precipitate			
Enterobacter aerogenes (13048)		None – poor	Pink to colourless, bile precipitate			
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 selective enrichment of Salmonellae from clinical specimens.				
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
B705	23.7g/l	21.097L	7.2 ± 0.2	0.5 g/l Sodium sulfapyridine	DO NOT AUTOCLAVE OR OVERHEAT	

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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