

TECHNICAL SHEET

B749	STREPTOCOCCUS ENRICHMENT BROTH (SE BROTH)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		20.00			
Yeast extract		5.00			
Bovine bile		10.00			
Sodium chloride		5.00			
Sodium citrate		1.00			
Esculin		1.00			
Ferric ammonium citrate		0.50			
Sodium azide		0.25			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 42.8 gms.in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense in 9 ml. amounts into test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, carbon, sulphur, trace elements and vitamin B complex, essential for Streptococci. Esculin is hydrolyzed by group D Streptococci (including Enterococci) to esculentin and dextrose. Esculetin reacts with ferric ammonium citrate to form a dark brown – black coloured complex. Bovine bile inhibits gram –positive bacteria other than Streptococci. Sodium azide inhibits gram –negative bacteria.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.					
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY		
	Enterococcus faecalis (29212)	Good – luxuriant	Black		
	Escherichia coli (25922)	Inhibited	-		
	Staphylococcus aureus (25923)	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 enrichment of 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
B749	42.8g/l	11.682L	7.0 ± 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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