

TECHNICAL SHEET

B322	STREPTOCOCCUS SELECTION BROTH	
Formula		
Ingredients :	gms/lit.	
Casein enzymic hydrolysate	15.00	
Papaic digest of soyabean meal	5.00	
Sodium chloride	4.00	
Sodium citrate	1.00	
L-cystine	0.20	
Sodium sulphite	0.20	
Dextrose	5.00	
Sodium azide	0.20	
Crystal violet	0.0002	
Final pH (at 25°C) : 7.4 ± 0.2		
Directions :		
Suspend 30.6 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Autoclaving is not required if medium is used on the same day. If storage is desired, sterilize by autoclaving at 118°C for 15 minutes. Avoid overheating which causes the medium to become more inhibitory. Mix well and dispense as desired. Caution : Sodium azide has a tendency to form explosive metal-azide with plumbing material. It is advisable to use enough water to flush off the disposable.		
Principle :		
Casein enzymic hydrolysate, papaic digest of soyabean meal, dextrose and salts provide nutrients essential for the growth of Streptococci. Sodium azide, sodium sulphite inhibits gram-negative rods and the crystal violet suppresses Staphylococci. Streptococci are not affected by these inhibitors at these concentrations. Due to this reason, these media are useful in studies of streptococcal flora from nutritional, dental and epidemiological research. Growth of coliforms, Proteus , Pseudomonas and Bacillus species is markedly suppressed in this medium. However, some strains of Staphylococci and Pneumococci may grow in this medium. All presumptive streptococci must be confirmed for identification.		
QC Tests - (I)Dehydrated Medium		
Colour :	Cream to Yellow	
Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium		
pH (post autoclaving/heating) :	7.4 ± 0.2	
Colour (post autoclaving/heating) :	Light to medium amber	
Clarity (post autoclaving/heating) :	Clear to slightly opalescent	
(III)Q.C. Test Microbiological		
Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours.		
MICROORGANISM (ATCC)	GROWTH	
Bacillus subtilis (6633)	Inhibited	
Escherichia coli (25922)	None-poor	
Enterococcus faecalis (29212)	Luxuriant	
Pseudomonas aeruginosa (27853)	Inhibited	
Staphylococcus aureus (25923)	None-poor	
Streptococcus pyogenes (19615)	Luxuriant	
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.	

Refer disclaimer Overleaf

TECHNICAL SHEET

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 :	Streptococcus Selection Broth is recommended for selective isolation and enumeration of all types of Streptococci, including group A beta haemolytic strains.				
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
B322	30.6g/l	16.339L	7.4 ± 0.2	Nil	118°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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.