

B751	STREPTOCOCCUS SELECTION AGAR				
Formula					
Ingredients :		gms/lit.			
Casein enzymichydrolysate		15.00			
Papaic digest of soyabeanmeal		5.00			
Dextrose		5.00			
Sodium chloride		4.00			
Sodium citrate		1.00			
Sodium sulphite		0.20			
L-cystine		0.20			
Sodium azide		0.20			
Crystal violet		0.0002			
Agar		15.00			
Final pH (at 25°C) :		7.4 ± 0.2			
Directions :					
Suspend 45.6 gms in 1000ml. distilled water. Heat to boiling 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 12 lbs pressure (118°C) for 15 minutes. Avoid overheating.					
Principle :					
Casein enzymichydrolysate, papaic digest of soyabean meal, dextrose and salts provides nutrients essential for the growth of Streptococci. Sodium azide, sodium sulphite inhibits gram - negative rods and the crystal violet suppresses Staphylococci. Agar is the solidifying agent.					
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 18 - 24 hrs.at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH			
Streptococcus pyogenes (19615)		Luxuriant			
Enterococcus faecalis (29212)		Luxuriant			
Staphylococcus aureus (25923)		None - poor			
Escherichia coli (25922)		None - poor			
Bacillus subtilis (6633)		Inhibited			
Pseudomonas aeruginosa (27853)		Inhibited			
Precautions :	<ol style="list-style-type: none"> 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. Caution : Sodium azide has a tendency to form explosive metal azides with plumbing materials. It is advisable to use enough water to flush off the disposables. 				
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 :	B751: 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
B751	45.6g/l	10.964L	7.4 ± 0.2	nil	118 ⁰ C / 15 minutes

Refer disclaimer Overleaf

Disclaimer:

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