

## STREPTOCOCCUS SELECTIVE AGAR

For the selective isolation and enumeration of streptococci

### TYPICAL FORMULA (g/l)

Tryptone	15.0
Soy Peptone	5.0
Sodium Chloride	4.0
L-Cystine	0.2
Sodium Sulphite	0.2
Glucose	5.0
Sodium Azide	0.2
Agar	15.0
Sodium Citrate	1.0
Crystal Violet	0.2 mg

## STREPTOCOCCUS SELECTIVE BROTH

Selective enrichment liquid medium for streptococci

### Typical formula (g/l)

Tryptone	15.0
Soy Peptone	5.0
Sodium Chloride	4.0
L-Cystine	0.2
Sodium Sulphite	0.2
Glucose	5.0
Sodium Azide	0.2
Sodium Citrate	1.0
Crystal Violet	0.2 mg

### DIRECTIONS

Suspend 45.6g of Streptococcus Selective Agar or 30.6g of Streptococcus Selective Broth in 1000ml of cold distilled water. Heat to boiling with frequent agitation, distribute and sterilise by autoclaving at 118°C for 15 minutes. Do not overheat these media.

Final pH 7.4 ± 0.2

### DESCRIPTION

Streptococcus Selective Agar and Broth are recommended for isolation and enumeration of streptococci from mixed flora. Crystal violet and sodium azide make the medium selective for streptococci. Coliforms, *Proteus*, *Pseudomonas* and *Bacillus* are completely inhibited; staphylococci rarely grow on these media with characteristics, which can be easily recognised. Streptococcus Selective Agar is used for the enumeration of streptococci including group A beta-haemolytic strains. Streptococcus Selective Broth is used to isolate sodium azide-resistant streptococci.

The streptococci once isolated have to be transferred to blood agar for a first classification in alpha-beta-and non- haemolytic, and to Todd Hewitt Broth for serological identification.

### USER QUALITY ASSURANCE (37°C-24HRS)

Productivity control

*E.faecalis* ATCC 29212: growth

Selectivity control

*E.coli* ATCC 25922: inhibited

### STORAGE

Dehydrated medium: 10-30°C

User prepared plates and tubes: 1 month at 2-8°C

### PACKAGING

4020872	Streptococcus Selective Agar	500g (11l)
4020882	Streptococcus Selective Broth	500g (16.3 l)