

## **STREPTOCOCCUS BROTH**

Selective enrichment medium for streptococci isolation.

### **TYPICAL FORMULA (g/l)**

Tryptone	15.0
Soytone	5.0
Sodium chloride	4.0
Sodium Citrate	1.0
L-Cystine HCl	0.2
Sodium Sulphite	0.2
Glucose	5.0
Sodium Azide	0.2
Crystal Violet	0.0002
pH finale 7.4 +/- 0.2	

### **DESCRIPTION**

**STREPTOCOCCUS BROTH** is a selective enrichment medium indicated for streptococci isolation from specimens containing a mixed flora.

### **PRINCIPLE**

Peptones, dextrose and salts contained in the formulation, support the growth of microorganisms. Sodium azide inhibits gram-negative rods, whereas crystal violet is incorporated primarily to inhibit staphylococci.

### **PREPARATION**

Suspend 30.6 g in 1 litre of distilled water. Heat until completely dissolved. Autoclave at 118°C for 15 minutes. Dispense into sterile final containers.

### **TECHNIQUE**

Inoculate the sample directly in **STREPTOCOCCUS BROTH** tubes. Incubate for 18-24 hours at 36+/-1°C in aerobic atmosphere.

### **INTERPRETATION OF RESULTS**

Following incubation, subculture growth onto appropriate culture media. The population should predominantly consist of streptococci.

### **STORAGE**

10-30°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

### **WARNING and PRECAUTIONS**

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

### **DISPOSAL of WASTE**

Disposal of waste must be carried out according to national and local regulations in force.

### **REFERENCES**

1. R.R.Facklam & R.B.Carey. "Streptococci and Aerococci". 16, p.154-175. In E.H.Lennette, A.Balows, W.J. Hausler, H.J. Shadomy (ed.), Manual of Clinical Microbiology. Fourth edition. American Society For Microbiology. Washington D.C. 1985
2. K.L. Ruoff, R.A. Wiley and D. Beighton. "Streptococcus", p.283-296. In P.R.Murray, E.J.Baron, M.A. Pfaller, F.C.Tenover, and R.H.Yolken (ed.), Manual of Clinical Microbiology, 6<sup>th</sup>ed. American Society for Microbiology, Washington, D.C.



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## PRODUCT SPECIFICATIONS

### NAME

**STREPTOCOCCUS BROTH**

### PRESENTATION

Dehydrated culture medium.

### STORAGE

10-30°C.

### PACKAGING

Code	Content	Packaging
612203	500 g	500 g of powder in plastic bottle

### pH OF THE MEDIUM

7.4 ± 0.2

### USE

**STREPTOCOCCUS BROTH** is a selective enrichment medium indicated for streptococci isolation from specimens containing a mixed flora.

### TECHNIQUE

Refer to technical sheet of the product.

### APPEARANCE OF THE MEDIUM

Dark amber

### SHELF LIFE






4 years

### QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control  
Inoculum for productivity: 10-100 UFC/ml  
Inoculum for selectivity:  $10^4$ - $10^5$  UFC/ml.  
Inoculum for specificity:  $\leq 10^4$  UFC/ml.  
Incubation conditions: 18 -24 hours at 36 +/-1°C

Microorganism		Growth
<i>Streptococcus pyogenes</i>	ATCC 19615	Good
<i>Escherichia coli</i>	ATCC 25922	Inhibition

### TABLE OF SYMBOLS

<b>IVD</b> In vitro Diagnostic Medical Device	<b>LOT</b> Batch code	 Manufacturer	 Contains sufficient for <n> tests
<b>REF</b> Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



**IVD**



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