

STREPTOCOCCUS SELECTIVE AGAR

Selective 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	5.5
Sodium Azide	0.2
Crystal Violet	0.0002
Agar	15.0
Final pH= 7.4 +/- 0.2	

DESCRIPTION

STREPTOCOCCUS SELECTIVE AGAR is a selective 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 46 g in 1 litre of distilled or deionized water. Heat until completely dissolved. Sterilize in autoclave at 118°C for 15 minutes. Cool to 45-50°C and dispense in petri dishes.

TECHNIQUE

Inoculate the sample by streaking onto the surface of the medium. Incubate for 24-48 hours at 36+/-1°C.

INTERPRETATION OF RESULTS

Observe the growth of the colonies.

STORAGE

10-25°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. Whiley 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, 6thed. American Society for Microbiology, Washington, D.C.

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PRODUCT SPECIFICATIONS

NAME

STREPTOCOCCUS SELECTIVE AGAR

PRESENTATION

Dehydrated culture medium

STORAGE

10-25°C.

PACKAGING

Code	Content	Packaging
612202	500 g	500 g of powder in plastic bottle
622202	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM

7.4 ± 0.2

USE

STREPTOCOCCUS SELECTIVE AGAR is a selective medium indicated for streptococci isolation from specimens containing a mixed flora.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

Prepared medium

Appearance: slightly opalescent, without precipitate.

Color: 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: 10⁴-10⁶ UFC/ml.
Inoculum for specificity: ≤ 10⁴ UFC/ml.
Incubation conditions: 24-48 hours at 36 ± 1°C

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

TABLE OF SYMBOLS

 Batch code	 Use by	 Manufacturer	 Contains sufficient for <n> tests
 Catalogue number	 Caution, consult accompanying documents	 Temperature limitation	 Keep away from heat



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