

TRANSPORT SYSTEM FOR MICROORGANISMS



STATENS
SERUM
INSTITUT

prevention and control
of infectious diseases
and congenital disorders

- *Excellent recovery of bacteria*
- *Well documented*
- *Easy to use*
- *Long shelf life*



SSI Transport Medium is a semi-solid medium for storage of microorganisms between specimen collection and the laboratory.

SSI Transport Medium is simple to use and ensures the viability of microorganisms. A plastic container for transportation can be provided.

SSI Transport Medium is suitable for most bacteria including *Neisseria* species and anaerobes. It ensures viability and allows only limited growth during transport compared to transport media containing starch. Isolation of pathogens in mixed cultures is therefore possible (1,2).

SSI TRANSPORT MEDIUM (STUART'S)
AND STERILE PLASTIC SWABS

Description

The medium is contained in glass tubes impermeable to oxygen ensuring prolonged shelf life.

Each tube contains 8 ml of medium.

The tubes are fitted with a screw cap which catches the swab as the cap is screwed on. This facilitates the withdrawal of the swab in the laboratory.

Principle

The medium was originally described by Stuart (4). Methylene blue acts as a redox-indicator. The medium is colourless in its reduced form and blue when oxidized. It contains thioglycollic acid as a reducing agent to permit the survival of anaerobic bacteria.

Precautions

Prolonged exposure of the tubes to daylight will damage the redox-indicator.

Limitations

Some bacteria may grow in the medium as they can metabolize the glycerophosphate (2).

Composition

	g/l
Thioglycollic acid	0.76
Sodium glycerophosphate	10.0
Calcium chloride	0.1
Methylene blue	0.002
Agar	6.5

pH adjusted to 7.4

Disposal

SSI Transport Medium should be disposed of according to current rules for the disposal of biological waste.

Shelf life and storage

SSI Transport Medium will keep for 7 months from the date of production when stored at 2-8 °C.

Available products

- SSI Transport Medium, Article No. 28733
Boxes of 20 pieces
- Plastic container for transportation
Article no. 28734
20 pieces
- Sterile charcoal swab
Article no. 40085
20 pieces
- Swab, plastic aluminium
Article no. 40092
20 pieces

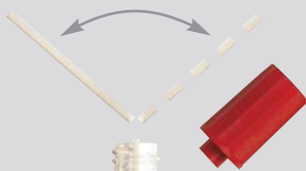
Instructions for use

1. After specimen collection place the swab in the tube. The tip has to reach the bottom.

2. Break the swab forward and back at the top of the glass tube

3. When the screw cap is screwed on, the swab is fastened in the cap.

4. Place the tube in the transport container.



References

1. Aurup H., Frimodt-Møller N., Espersen F. - Recovery of pathogenic bacteria from two different transport systems. Abstract No. 139. 7th European Congress of Clinical Microbiology and Infectious Diseases, Vienna, March 1995.
2. Corneliussen L. - Storage of bacteria in Statens Seruminstitut's transport medium. Abstract. NML-Congress, Vasa, May 1995.
3. Reyn A., Korner B., Weis Bentzon, M. - Transportation of material for the culture of gonococcus. Brit J Vener Dis 1960; 36: 243-256.
4. Stuart R.D. - The diagnosis and control of gonorrhoea by bacteriological cultures. Glasgow Med J 1946; 27: 131-142.
5. Blom E., Larsson M., Sjoberg L. - Comparative study of the Bacteriological performance of commercial Amies agar swab transport devices with a traditional Stuart agar transport system. Poster ASM 101 st General Meeting, Orlando, Florida, May 2001.