

STREPTOCOCCUS STREP-B-LATEX



STATENS
SERUM
INSTITUT

prevents and controls
infectious diseases,
biological threats, and
congenital disorders

- **10 GBS type antisera on latex**
- **Result in 5-10 seconds**
- **Easier typing of GBS**



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Background

The Strep-B-Latex kit is simple and fast to use for serotyping of *S. agalactiae* (GBS). Using the kit, the commonly isolated GBS isolates can be serotyped and placed within all 10 known serotypes (Ia, Ib, - IX).

Application

Overnight bacterial cultures of GBS isolates in Todd-Hewitt broth are mixed with the Strep-B-Latex suspension.

Description

The 10 latex suspensions are ready to use and delivered in 1.5 ml plastic vials with a droplet delivery system, administering approximately 10 µl. The antibodies in the latex suspension are raised in rabbits against the capsular polysaccharide present in each solution. The latex suspension is preserved with 15 mM (0.0975%) sodium azide.

Procedure

The latex agglutination test is performed as follows:

- 1 droplet (10 µl) of bacterial suspension is placed on the plastic slide.
- 1 droplet (10 µl) of latex suspension is also placed on the plastic slide.
- The two suspensions are mixed.

A positive reaction is indicated by an agglutination appearing within 5 to 10 seconds.

If the reaction time exceeds 30 seconds, false positive reactions may occur.

Limitations

The Strep-B-Latex kit is intended for typing of pure cultures of GBS isolates, preferably grown in Todd-Hewitt broth.

Storage and shelf life

The kit should be kept in a dark place at 2-8°C. The expiry date is printed on the package.

Ordering and Information

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