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Streptococcus agalactiae **(Group B Streptococci)** **GBS**

**hylabs tools for the best recovery of Group B Streptococci,
(*S. agalactiae*) from clinical specimens**

Despite medical advances, GBS continue to be significant pathogens in peripartum women and their newborn infants.

- The CDC guidelines for prevention strategies recommend that all pregnant women should be screened at 35-37 weeks of gestation for ano-genital GBS colonization.
- The anorectum can also harbor the GBS and therefore collecting one or two swabs of the vaginal introitus and anorect will increase the yield of GBS by 20%, when compared to the use of a vaginal swab alone.
- The recommended method for the direct detection and identification of GBS from clinical specimens is the use of a selective broth followed by subculture on a selective or non-selective specific agar plate.
- Following on page 2, the wide range of products Hy Laboratories offers for GBS detection



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For the First Selective Enrichment Step from Swab

- **BP 212 Group B Streptococcus Broth**

Hy Laboratories formulation:
Highly selective medium inhibiting the growth of
Gram-negative bacteria, Staphylococci and Fungi,
allowing the luxuriant growth of Streptococci.

- **TT-326 Todd Hewitt Broth with Colistin and NAL: (Lim Broth)**

Improved Todd Hewitt Broth, selective for Gram positive bacteriae.

For the Subculture Step on Agar Plates

- **PD049 TSA + Defibrinated Sheep Blood:**

Improved formulation producing luxuriant growth of Streptococci
and larger zones of haemolysis to aid in detection.

GBS can be identified by the "Camp Effect", by making a single
streak of the unknown bacteria perpendicularly to a strain of
Staphylococcus aureus that is known to produce Beta-lysin.

- **PD133 Streptococci Select Medium:**

Selective enriched medium for the isolation o haemolytic
Streptococci. It favors the growth of the most fastidious
organisms while the unique combination of the antimicrobial
agents contained in the medium inhibits Gram negative and Gram
positive except for Beta-haemolytic Streptococci.