

Novaplex™

GBS Typing (RUO)

Streptococcus agalactiae (Group B *Streptococcus*, GBS) is a bacterium that commonly resides in gastrointestinal and genital tracts of people of all ages. Although not harmful in most cases, GBS can cause severe diseases such as sepsis and meningitis when transmitted from mother to newborn. For this reason, the U.S. CDC recommends GBS prenatal testing for mothers who are between 35 and 37 weeks of pregnancy. GBS bacteria are categorized into ten serotypes based on type-specific capsular antigens, and serotype distribution is different based on regions. The vaccine effectiveness can differ depending on serotypes, so GBS serotyping is important for research on vaccine efficacy and surveillance.

Novaplex™ GBS Typing (RUO) is a multiplex real-time PCR assay that can detect and identify 10 GBS serotypes. The assay provides faster and more accurate GBS serotyping compared to conventional methods and is useful for prenatal testing and vaccine surveillance.

Key features

✔ Real-time PCR serotyping

- Detects and identifies 10 GBS serotypes by real-time PCR method
 - Identifies 7 GBS serotypes (Ia, Ib, II, III, IV, V, VI)
 - Screens 3 other GBS serotypes (VII, VIII, IX)

✔ Automated system

- Provides a convenient workflow through a streamlined automation system
- Minimizes human error and cross-contamination

✔ Post-analysis software 'SG STATS'

- Provides visualized data for effective data management and analysis
- Provides statistical analysis data and trend monitoring to get insights for proactive responses

Specifications

Analytes	Sample	Compatible instrumentation
<ul style="list-style-type: none"> • GBS serotype Ia • GBS serotype Ib • GBS serotype II • GBS serotype III • GBS screening 	<ul style="list-style-type: none"> • Bacterial colony 	<ul style="list-style-type: none"> • Automated extraction & PCR setup Seegene NIMBUS • Real-time PCR CFX96™ Dx
<ul style="list-style-type: none"> • GBS serotype IV • GBS serotype V • GBS serotype VI • Others (VII+VIII+IX) • Internal control (IC) 		

Ordering information

Product	Volume	Cat. No.
Novaplex™ GBS Typing (RUO)	100 rxns	R-SD10255X
	25 rxns	R-SD10256Z