

Group B Streptococcus (GBS) Nucleic Acid Detection Kit

(Fluorescence PCR Method)

According to statistics, 10%~30% of pregnant women will infect group B streptococcus, 40%~70% of which will transmit GBS to the next generation during the birth process. Group B streptococcal infection can cause neonatal sepsis, meningitis, and pneumonia, and the mortality rate is very high. It is currently one of the most important pathogens causing neonatal infections.

The kit is used for in vitro qualitative detection of group B streptococci in genital secretions and rectal secretions samples. It is suitable for pregnant women who are 34 to 37 weeks of gestation. The test result of this kit is for the auxiliary diagnosis of GBS. It is for clinical reference only and cannot be used as the basis for diagnosis or exclusion of cases.



FEATURES



Accurate performance

Qualitative detection of Group B Streptococcus (GBS) in genital secretions and rectal secretions samples of pregnant women between 34-37 weeks of gestation



High Sensitivity

The limit of detection is up to 500 copies/mL



Internal Control

The use of internal control system in the kit can effectively prevent false negative results



High Precision

The coefficient of variation (CV%) of Ct value should be no more than 5%



User-friendly

Widely applicable in instruments with FAM, HEX/VIC fluorescence channels



More Accessible

CE marked, accessible for more countries

DATA INTERPRETATION

Figure 1: Positive standard sample amplification curve

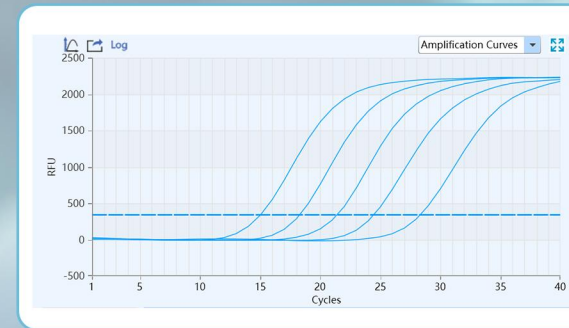
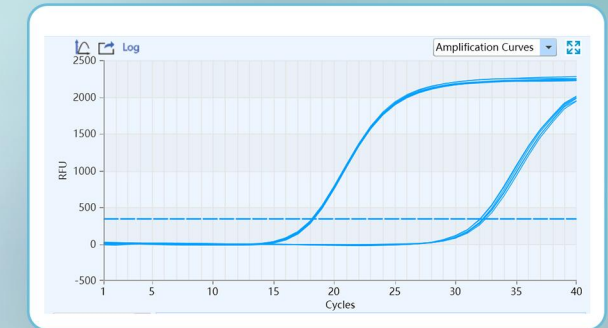


Figure 2: LOD amplification curve



GBS positive standard: If the Ct value of FAM channel ≤ 38.0 , the sample is considered to be GBS positive.

ORDERING INFORMATION

Product Name	Group B Streptococcus (GBS) Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P123H
Specification	32T/Kit
Specimen	Genital secretions and rectal secretions samples of pregnant women between 34-37 weeks of gestation
Target Pathogen	Group B Streptococcus (GBS)
Sensitivity	500 copies/mL
Precision	$\leq 5\%$
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, HEX/VIC fluorescence channels such as ABI7500 real time PCR systems, Tianlong Gentier Real-time PCR Systems

ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



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