VIASURE

Streptococcus B Real Time PCR Detection Kit

Pathogen and product description

Streptococcus agalactiae, or Group B *Streptococcus* (GBS) is a normal part of women's vaginal and gastrointestinal tract flora; however, it can give rise to life-threatening infections in some vulnerable hosts including infants, pregnant women and nonpregnant adults with chronic diseases (such us underlying diseases like diabetes and cancer). Moreover, GBS is the main cause of invasive bacterial disease in infants.

VIASURE *Streptococcus B* Real Time PCR Detection Kit is designed for the diagnosis of *Streptococcus B* in clinical samples. After DNA isolation, the identification of *Streptococcus B* is performed by the amplification of a conserved region of the *cfb* gene, using specific primers and a fluorescent-labelled probes.

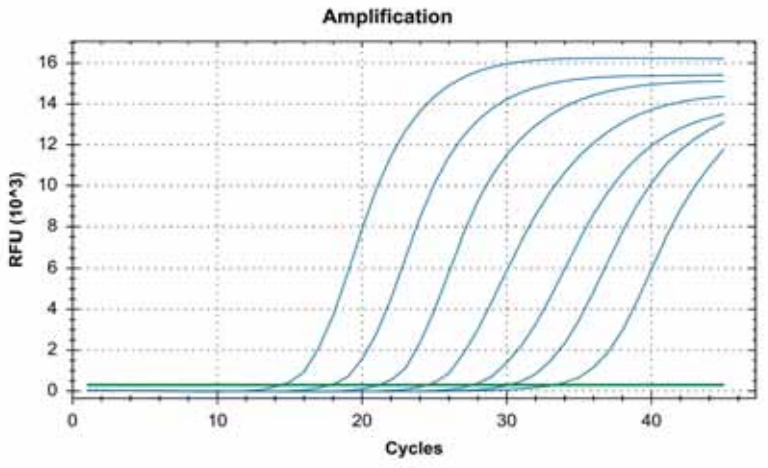
VIASURE *Streptococcus B* Real Time PCR Detection Kit contains in each well all the components necessary for real time PCR assay (specific primers/probes, dNTPs, buffer, polymerase and retrotranscriptase) in a stabilized format.

- Same thermal protocol for all our kits. **Create your own panel**
- **Lyophilised product.** Forget about the cold chain
- "Ready & Easy-to-use" kits
- Long term stability. **Transport and storage at room temperature**
- **Shelf-life: 24 months** (for all our qPCR products)
- From 1 **up to 96 samples** per assay
- High sensibility, specificity and reproducibility
- Validated according to **ISO 13485** and **CE marked**

THE REAL ONE STEP qPCR

Analytical sensitivity

VIASURE *Streptococcus B* Real Time PCR Detection Kit has a detection limit of ≥ 10 DNA copies per reaction.



Dilution series of Streptococcus B (10^7-10^1 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System (FAM channel).

Components

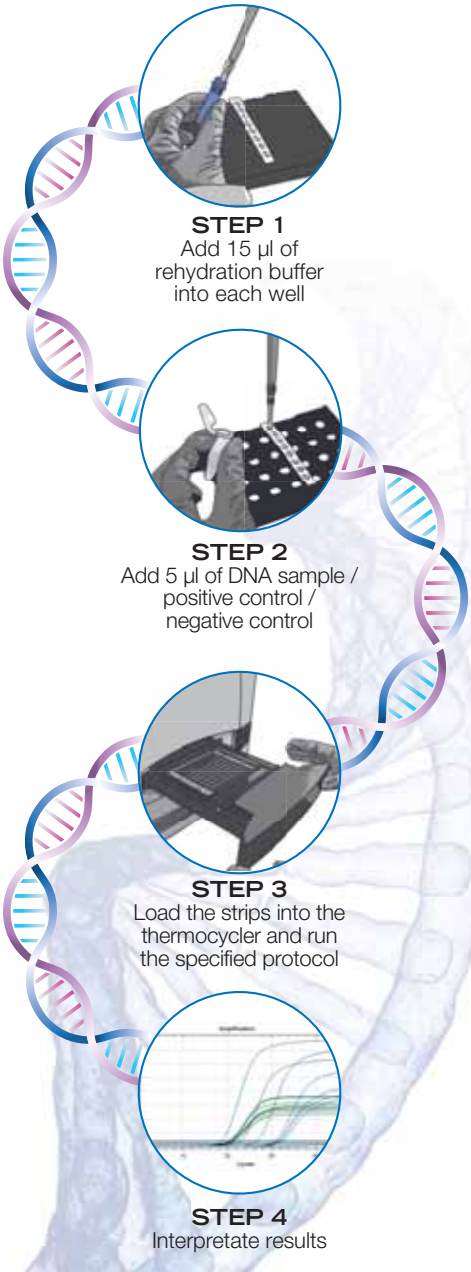
Reagent/Material	Description	Color	Quantity
Streptococcus B **8-well strips**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	White	6/12 X 8-well strip
Streptococcus B **96-well plate**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	White	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	Blue	1 vial x 1.8 mL
Streptococcus B **Positive Control**	Non-infectious synthetic lyophilized cDNA	Red	1 vial
Negative Control	Non template control	Violet	1 vial x 1 mL
Water RNAse/DNAse free	RNAse/DNAse free water	White	1 vial x 1 mL
Tear-off 8-cap strips	Optical caps for sealing Wells during thermal cycling	Transparent	6/12 x 8-cap strip

Kit References

Reference	Description
VS-GBS106L	VIASURE *Streptococcus B* Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-GBS106H	VIASURE *Streptococcus B* Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-GBS112L	VIASURE *Streptococcus B* Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-GBS112H	VIASURE *Streptococcus B* Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-GBS113L	VIASURE *Streptococcus B* Real Time PCR Detection Kit 96-well plate, low profile
VS-GBS113H	VIASURE *Streptococcus B* Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

One-step rehydration of wells and add your extracted DNA



STEP 1
Add 15 µl of rehydration buffer into each well

STEP 2
Add 5 µl of DNA sample / positive control / negative control

STEP 3
Load the strips into the thermocycler and run the specified protocol

STEP 4
Interpretate results

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