Clinical implications

The quantification of human DNA is significant especially in the field of forensic analysis. The SRY gene is located on the short arm of human chromosome Y in the position 11.3. This gene encodes a transcription factor that binds to specific region of protein. This protein called „sex-determining region Y" is the testis-determining factor, which initiates male sex determination.

Principle of detection

The kit is intended for detection of the specific section of the SRY gene which is located on the Y chromosome in the human genomic DNA. Detection is based on **quantitative real-time polymerase chain reaction (qPCR) using fluorescently labelled probes**.

Available products

Cat. No.	Product	rxn
3143	gb GENETIC SRY	100

1 kit contains reagents to provide 100 PCR reactions (25 µl volume of each reaction).

Parameters of the diagnostic kit

- **ready-to-use assay**
- **positive and negative controls included**
- **detection in FAM channel**
- **internal positive control in HEX channel**

Content of the diagnostic kit

*	Component	Conc.	Purpose
🟢	Assay qPCR SRY	1.67×	Detection assay
⚪	Deionized Water		Negative Control
🔴	Standard Human PC	20 ng/µl	Positive Control

** Lid colour*



Tested on cyclers

- **CFX96/CFX96 Touch (Bio-Rad)**