Clinical implications

The presence of B27 antigen (HLA-B*27) is strongly associated with ankylosing spondylitis (AS) and other inflammatory disorders. The frequency of HLA-B*27 allele in Caucasian population is in range 5–10% and in AS-patients occurs in more than 85% cases. The absence of HLA-B*27 allele is a strong negative predictor for diagnosis of AS.

Principle of detection

The kit is intended for detection of HLA-B*27 allele in samples of human DNA. Detection principle is based on real-time PCR method with allele specific primers and fluorescently labelled hydrolyzation probes.

Available products

Cat. No.	Product	rxn
3257-025	gb GENETIC HLA-B*27	25
3257-100	gb GENETIC HLA-B*27	100

1 kit contains reagents to provide 25 or 100 PCR reactions (20 µl volume of each reaction).

Parameters of the diagnostic kit

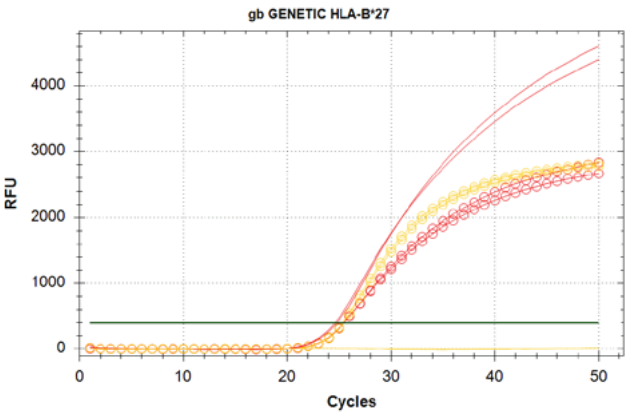
- ***in vitro*** **diagnostics**
- **CE IVD, IVDR certified**
- **ready-to-use assay**
- **sample concentration 10-100 ng/µl**
- **positive and negative controls included**
- **FAM and HEX channels detection**
- **identical amplification profile as gb HEMO, gb GENETIC, gb PHARM kits**

Content of the diagnostic kit

*	Component	Conc.	Purpose
🟢	Assay qPCR HLA-B*27	1,25×	Detection assay
🟡	Standard NEG HLA-B*44	5×10^3 cop/µl	Positive Control
🔴	Standard POS HLA-B*27	5×10^3 cop/µl	Positive Control
⚪	Deionized Water		Negative Control

** Lid colour*





Validated for cyclers

- **CFX96/96Touch (Bio-Rad)**
- **QuantStudio 5 (Applied Biosystems)**
- **RG 3000 (Corbett Research**
- **Light Cycler 480/Cobas z480 (Roche Diagnostics)**

*Fig. 1 – Detection of HLA-B*27 standards on CFX96 device; yellow line – NEGATIVE; red line – POSITIVE; smooth line – FAM channel; dotted line – HEX channel*