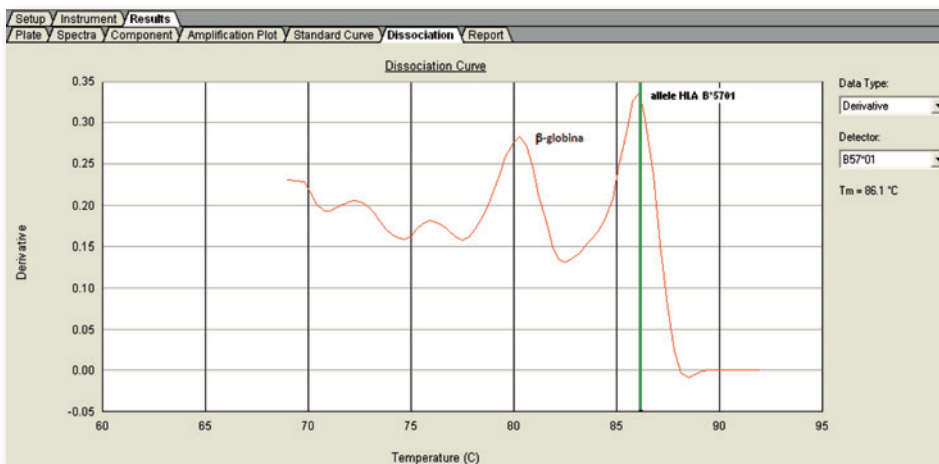


HLA B*5701 / B27

Approximately 5-9% of patients treated with abacavir, a nucleoside analogue with antiviral activity against HIV, develop a hypersensitivity reaction (HSR). This HSR is characterized by a multisystem involvement who proved fatal in some cases. Several studies have shown a strong predictive association between for HLA-B*5701 carriage and abacavir HSR. The following kit is a multiplex SSP-PCR for typing HLA*B5701. In each PCR reaction are simultaneously amplified the HLA- *5701 allele and a conserved region of β - globin human gene as internal control, guaranteeing reliable results. The analysis of amplified product is performed through gel agarose electrophoresis or allele specific real time PCR (AS-PCR).

Human Leukocyte Antigen (HLA) B27 (subtypes B*2701-2759) is an HLA class I surface antigen that is encoded in the B locus in the major histocompatibility complex (MHC) on the short arm of chromosome 6. In HLA-B27 antigen a strong association with ankylosing spondylitis (AS) and spondyloarthropathies (SpA) was found.

The following kit detects HLA-B27 allele (subtypes B*2701-2759) using As internal control the gene SYPL2 (synaptophysin-like 2) by real time PCR.



Melting curve of the internal control (β -globin) and HLAB*5701 allele

Code	Name of kit	Technical specs	Amount of tests	Info	Additional info
AH.01	B*5701 Kit 1	Agarose Gel Electrophoresis Kit	40	CE/IVD	Allelic specific primer PCR
AH.01RQ	B*5701 Kit 1- RQ	Real Time PCR Kit	40	CE/IVD	Allelic specific primer PCR
K.B27.RQ	Spondylitis HLA-B27 RQ	Real Time PCR Kit	50	CE/IVD	Allelic specific primer PCR

