

WHY LoopTag?

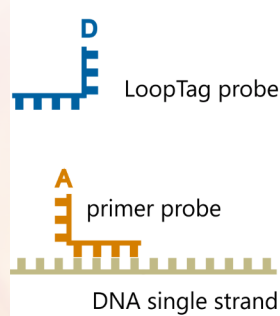


- same PCR protocol for all parameters except HLA-B*27
- reliable genotyping by melting curve analysis
- low work and time requirements
- compatible with the simple DNA extraction method "Attosorb 96"

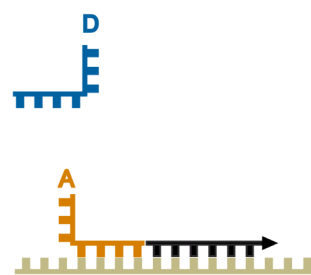
TEST PRINCIPLE AND EVALUATION

- sample material: DNA from EDTA blood
- PCR with hybridisation of specific LoopTag probes¹⁾
- unambiguous genotyping of patient samples by melting curve analysis

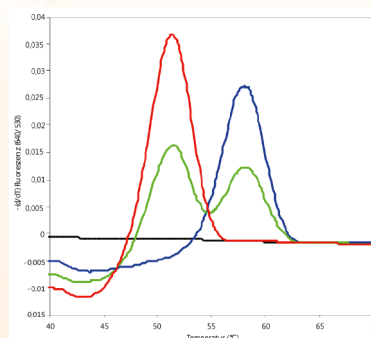
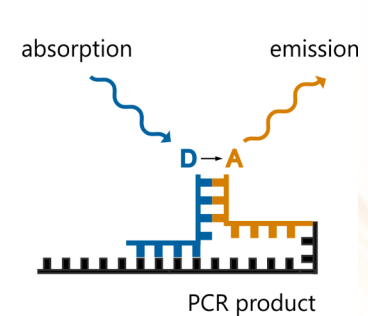
Primer probe hybridisation



Primer probe elongation



LoopTag probe detection



- homozygous wild type (blue)
- heterozygous (green)
- homozygous mutated (red)

PRODUCTS

Thrombophilia

- Factor II Prothrombin (20210G>A)
- Factor V Leiden (1691G>A)
- Factor II+V Duplex (20210G>A and 1691G>A)
- MTHFR (Hyperhomocysteinaemia 677C>T, 1298A>C)
- PAI-1 (4G/5G)

Metabolism

- Haemochromatosis Duplex (C282Y, H63D)
- Lactose Intolerance (-13910C>T), Differentiation from neighboring mutations possible
- Lactose Intolerance Duplex (-13910C>T, -22018G>A)

Immunogenetics

- HLA-B*27

¹⁾ LoopTag is a technology patented by the company Attomol (Patent-No. PCT/EP2008/057512).