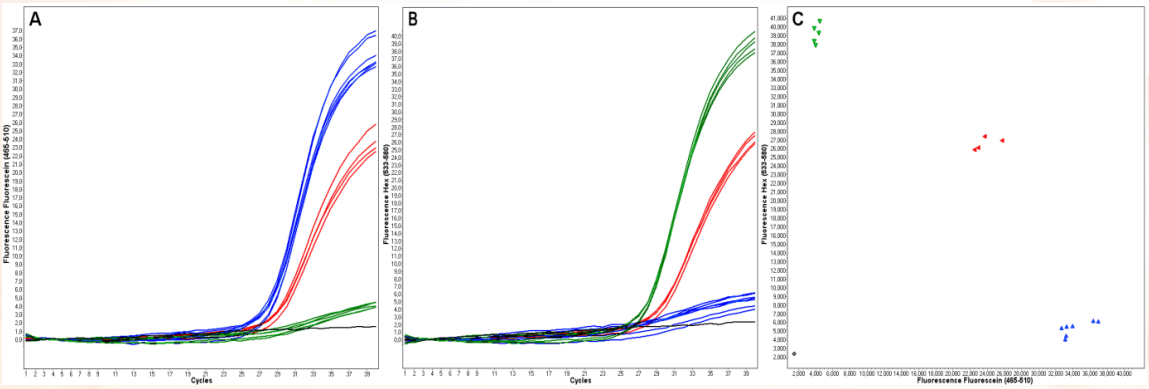
# attomol® Realtime TaqMan™
## Mutation Assays

## WHY TaqMan™?


- same PCR protocol for all parameters
- simple genotyping by using of scatter plots
- low work and time requirements
- wide device compatibility
- compatible with the simple DNA extraction method "Attosorb 96"

## TEST PRINCIPLE AND EVALUATION

- sample material: DNA from EDTA blood
- hybridisation of the genotype-specific probe on the wild type or mutant allele during PCR and subsequent degradation by 5'-nuclease activity of polymerase
- detection of the released fluorescent dyes
- evaluation via scatter plot or amplification curves




Genotyping of patient samples by evaluation of amplification curves for the wild type allele (Fig. A) and for the mutant allele (Fig. B) or by grouping in the scatter plot (Fig. C):

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

## PRODUCTS

### Thrombophilia

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

### Metabolism

- Haemochromatosis (C282Y, H63D)
- Lactose Intolerance (-13910C>T)

### Immunogenetics

- HLA-B*27
- Titanium Peri-Implantitis (IL-1A -889C>T, IL-1B +3954 C>T, IL-1RN +2018T>C)

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