

**Molecular Diagnostics**

# **Human genetics product line**

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Highly specific and flexible PCR solutions

Innovation with Integrity

IVD

# Results at a glance with FluoroType® technology

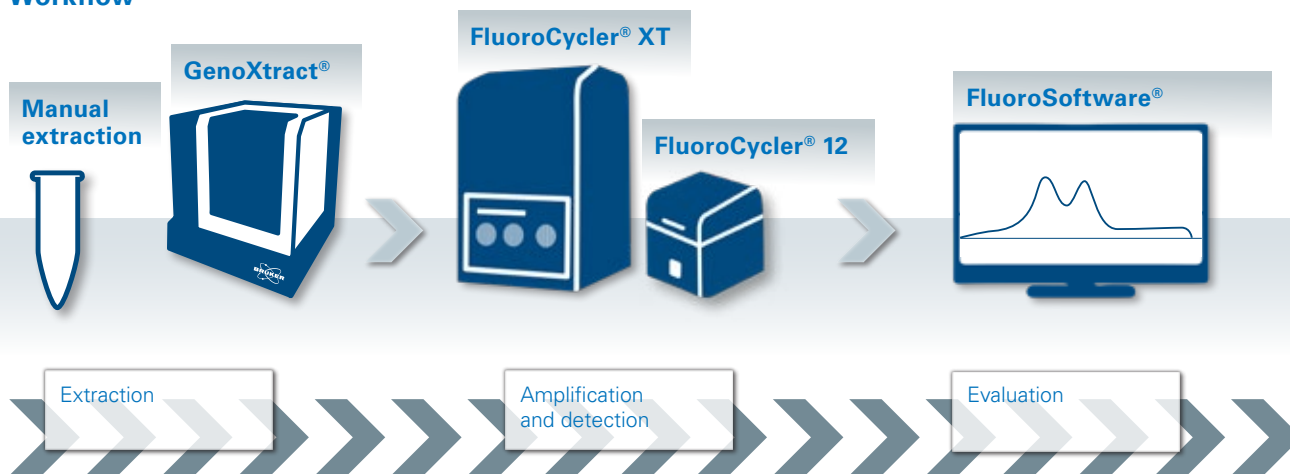
Our fluorescence-based PCR test systems guarantee rapid and valid results for efficient diagnostics in your laboratory. Nucleic acids are extracted from blood in a first step, followed by amplification and detection using fluorescence-labeled probes. Amplification and detection are carried out with the FluoroCycler®, an optical thermal cycler. The user-friendly FluoroSoftware® provides the result interpretation conveniently at one glance.

## FluoroType® technology for reliable diagnostics – Your benefits:

- **Reliable results at one glance:** The test-specific FluoroSoftware® evaluates the results and displays them automatically and clearly.
- **Maximum confidence:** High sensitivity and specificity for all test systems with low risk of contamination, as amplification and detection take place in one device.
- **User-friendly assays:** Fully validated and integrated workflow ensures perfect integration into your daily lab routine with low hands-on time and LIMS connection.
- **High flexibility:** All human genetic FluoroType® assays use EDTA blood as starting material and can be processed in combination.

Assays based on FluoroType® technology	Detected alleles
FluoroType® Factor V	G1691A
FluoroType® Factor II	G20210A
FluoroType® MTHFR C677T	C677T
FluoroType® HH C282Y	C282Y
FluoroType® HH H63D	H63D
FluoroType® LCT	C-13910T
FluoroType® HLA-B27	HLA-B27

## Workflow



# Established solutions with DNA•STRIP – Robust variety based on line probe assays

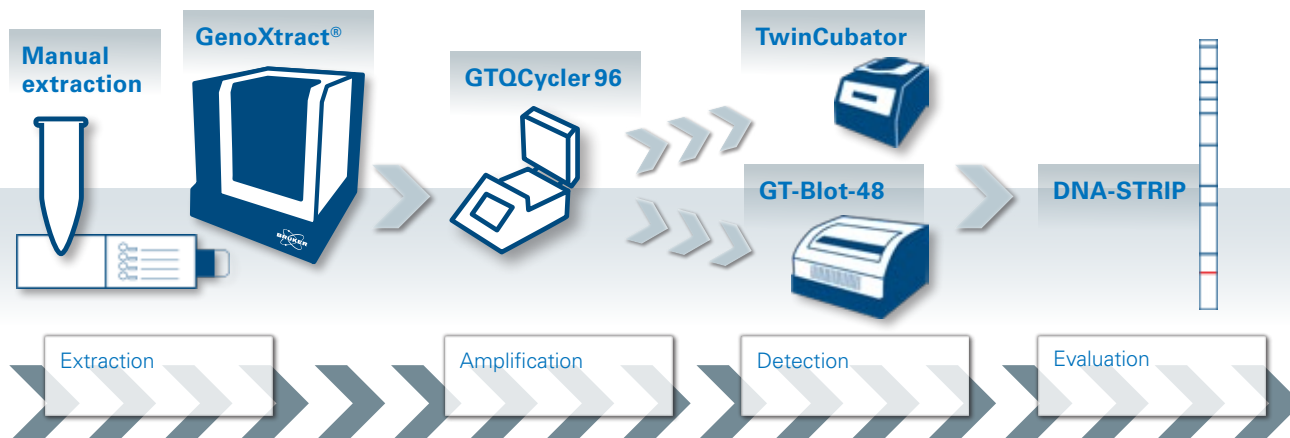
Isolated DNA from blood samples is amplified in a PCR and then applied to the DNA•STRIP, which is coated with highly specific probes complementary to the amplified nucleic acid. An enzymatic colour change creates a specific band pattern, which is used to evaluate which genotype is present in the tested sample.

## Benefits of using the DNA•STRIP technology with the proven GenoType assays

- **Reliability:** Internal controls document valid results, and secure safe and impeccable test procedures. Thus, a high diagnostic reliability is guaranteed.
- **Highly sensitivity and specificity:** The chosen targets of the different test systems ensure high specificity combined with maximum sensitivity.
- **Cost-efficiency:** Only minimum technical equipment is needed for processing. This allows for a cost-effective implementation in all laboratories.
- **High flexibility:** All human genetic GenoType assays use EDTA blood as starting material and can be processed in combination.

Assays based on DNA•STRIP technology	Detected alleles
ThromboType®	G1691A; G20210A
ThromboType® plus	G1691A; G20210A; C677T; A1298C
GenoType MTHFR	C677T; A1298C
GenoType PAI-1	-675 4G/5G; A-844G
GenoType CVD	G1691A; A1090/G1091; A1090/1091C; 1090G/G1091; G20210A; C677T; A1298C; -675 4G/5G
GenoType HH	C282Y; H63D; S65C; E168X
GenoType LCT	C-13910T; G-22018A
GenoType SugarTol	C-13910T; A149P; A174D; N334K
GenoType ApoE	ε2; ε3; ε4
GenoType AAT	PiM; PiZ; PiS
Assay based on GenoQuick® technology	Detected alleles
GenoQuick® HLA-B27	HLA-B27

## Workflow



## Assays of the Human Genetics Product Line

Thrombophilia and cardiovascular diseases	No. of reactions	Article no.
FluoroType® Factor V	96	H-60396
FluoroType® Factor II	96	H-60296
FluoroType® MTHFR C677T	24	H-60024
ThromboType®	12/96	H-241/24196
ThromboType® plus	12	H-341
GenoType MTHFR	12	H-252
GenoType PAI-1	12	222
GenoType CVD	12	H-33512
GenoType ApoE	12	H-350
<b>Hereditary Hemochromatosis</b>		
FluoroType® HH C282Y	24	H-60624
FluoroType® HH H63D	24	H-60724
GenoType HH	12	H-245
<b>Food intolerance</b>		
FluoroType® LCT	24	H-60424
GenoType LCT	12	H-261
GenoType SugarTol	12	H-26212
<b>HLA-B27</b>		
FluoroType® HLA-B27	96	H-60896
GenoQuick® HLA-B27	96	H-31196
<b>Alpha-1 antitrypsin deficiency</b>		
GenoType AAT	12	H-251

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