GenoType PAI-1

Detect easily and reliably ...

... your patients risk of thrombosis

HAIN LIFESCIENCE

Your molecular genetic test system for the fast and reliable detection of polymorphisms in the promoter region of the PAI-1 gene.

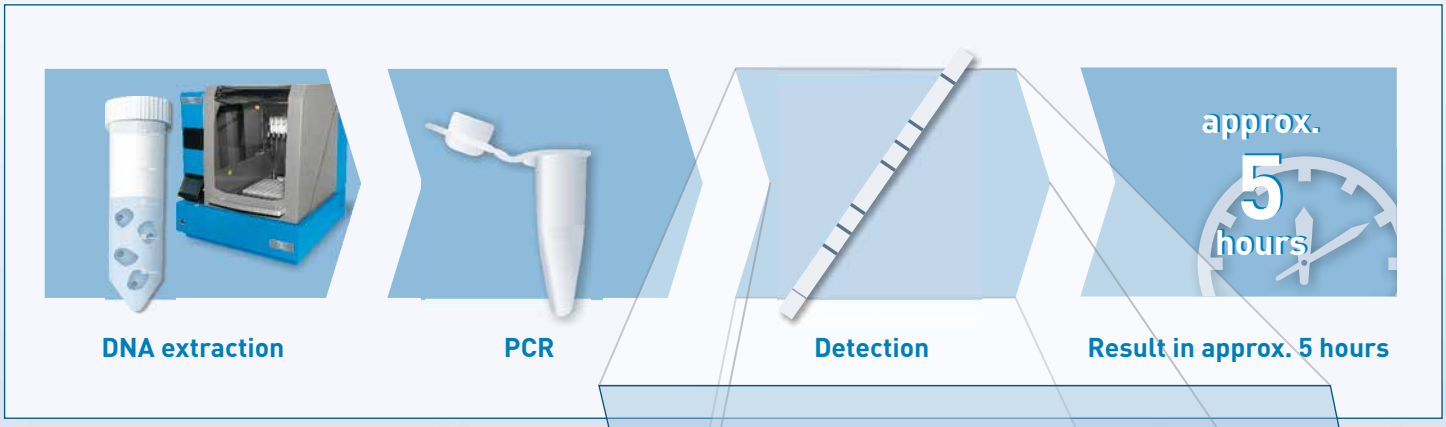
Your benefits of using GenoType PAI-1

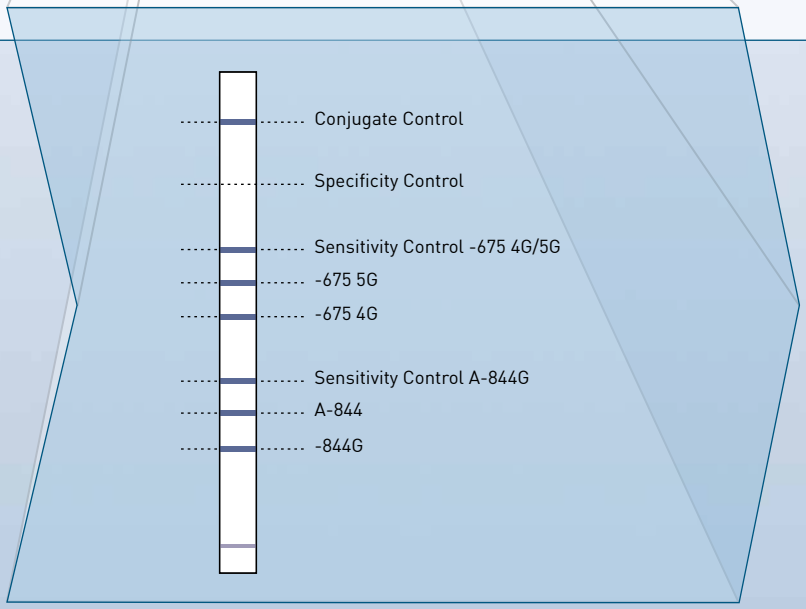
- **Reliable results:** The high sensitivity and specificity of the test system enable reliable detection of the PAI-1 polymorphisms -675 4G/5G and A-844G. An internal control guaranties valid results.
- **User-friendly:** The user-friendly **DNA•STRIP** technology combines both high information content and efficient processing. A ready-to-use amplification mix including the Taq polymerase is provided in the kit.
- **Cost-efficient:** DNA isolation and the detection step can be performed automatically. You choose your individual grade of automation gaining maximum flexibility.
- **Reliable diagnostics from one source:** From DNA isolation to result – Hain Lifescience is your reliable partner.
- **CE-IVD certified:** No need for elaborate validation studies!

Facts

Every year hundreds and thousands of people die in case of vascular obliteration like heart attack or pulmonary embolism. Besides hypertension, high cholesterol level and diabetes, important risk factors for these cardiovascular diseases are particular genetic predispositions. This includes modifications of the PAI-1 (plasminogen activator inhibitor type 1) protein which plays an important role in wound healing processes. Thus, elevated concentrations of the PAI-1 plasma level inhibit the fibrinolysis and thereby the dissolution of stable thrombi. This may increase the risk for several diseases of the cardio vascular system. Two significant polymorphisms in the promoter region of the PAI-1 gene are important: A 4G/5G polymorphism at position -675 and a base substitution from adenine to guanine at position -844 (A-844G). Both transformations lead to modified protein expression and increase the risk for venous and arterial thrombosis, coronary heart disease and myocardial infarction. In addition, increased pregnancy complications and premature birth were observed.
The simultaneous occurrence of additional modifications associated with thrombophilia, like Factor V Leiden and mutations in the genes of prothrombin or MTHFR increase the risk of thromboembolic events as well. Therefore, a widespread examination of concerned patients is advisable.

GenoType PAI-1: Reliable detection of two polymorphisms in the PAI-1 gene





GenoType PAI-1 identifies the PAI-1 polymorphisms -675 4G/5G and A-844G safely, quickly and reliably in one single procedure. Moreover, we offer a broad range of different thrombophilia test systems based on the same technology like **ThromboType®**, **ThromboType®*plus***, **GenoType MTHFR**, **GenoType CVD** and **GenoType ApoE**. This facilitates a combined processing of different parameters and therefore, optimal integration into your routine laboratory testing.

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Further information is directly available from Hain Lifescience or your local distributor.

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