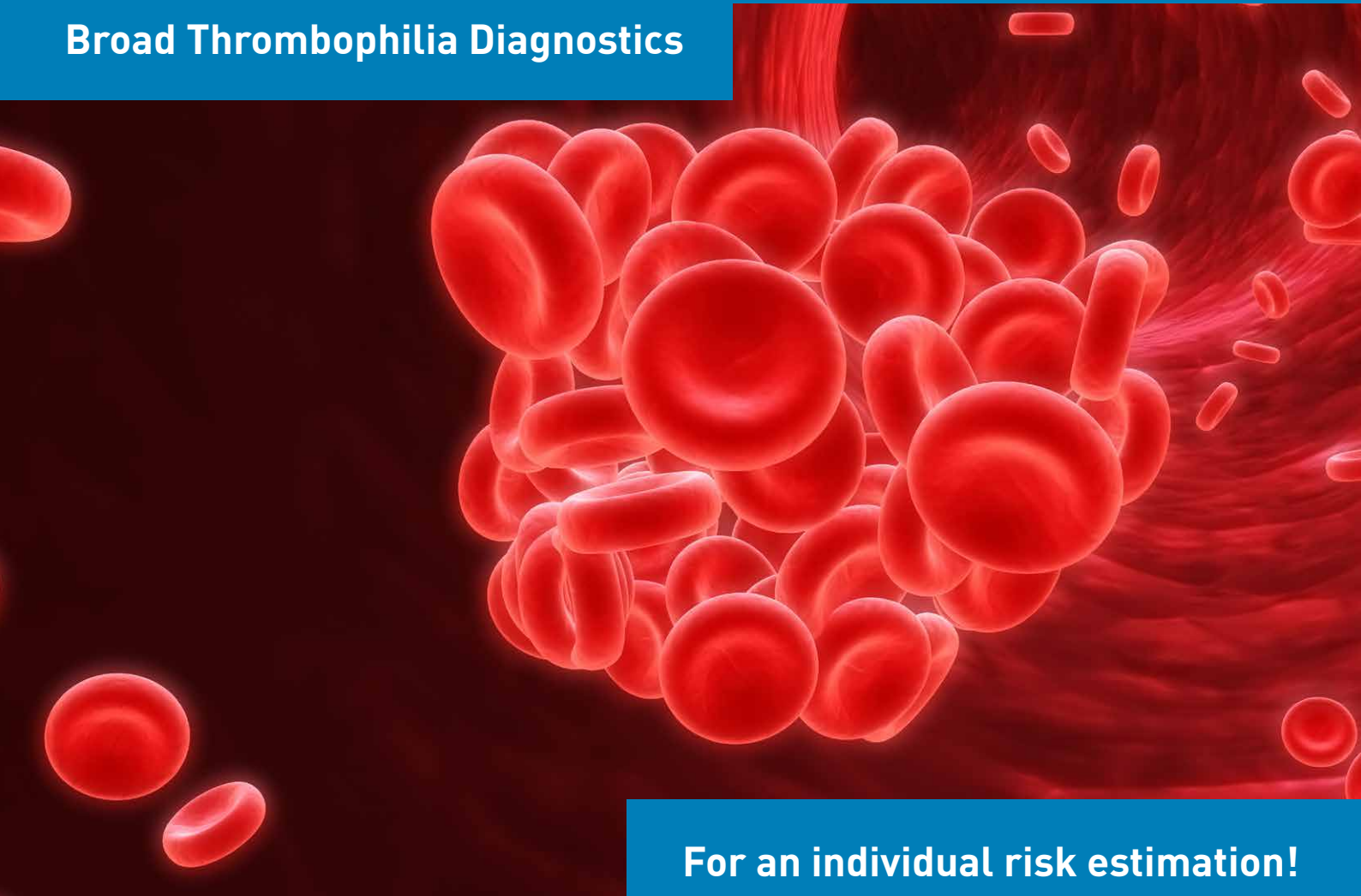


Broad Thrombophilia Diagnostics



For an individual risk estimation!

Your molecular genetic test system for the reliable detection of eight thrombophilia-associated mutations.



Your benefits of using GenoType CVD

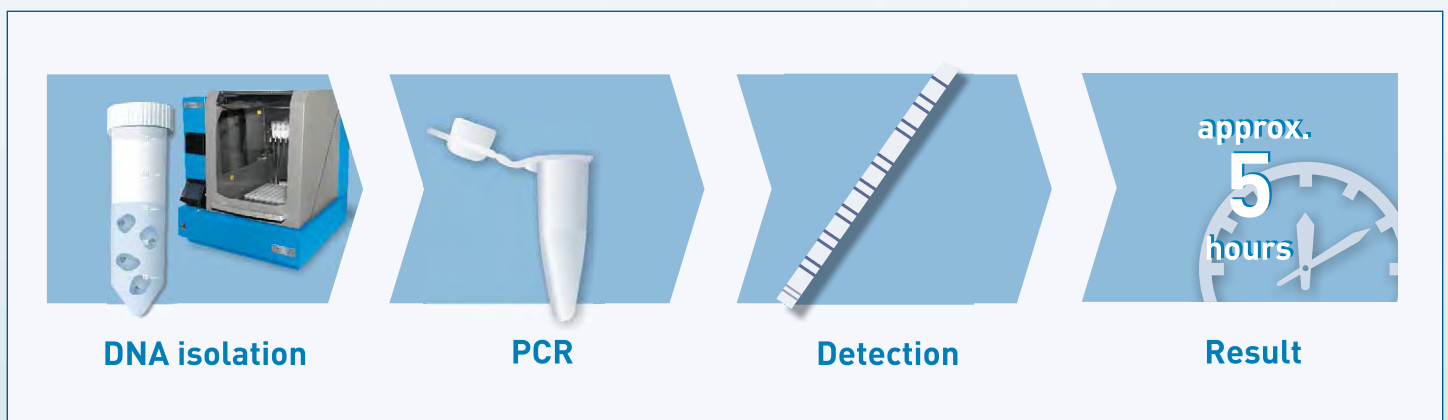
- **Relevant information at a glance:** **GenoType CVD** enables the detection of eight different thrombophilia-associated mutations for broad and reliable thrombophilia diagnostics.
- **User-friendly:** The test system is based on the user-friendly **DNA•STRIP** technology. A ready-to-use amplification mix is already included and also the Taq polymerase is provided in the kit. This saves time and money enabling an optimal integration in your daily routine.
- **Individual automation:** DNA isolation and detection can be performed automatically. Batch or individual automation can be performed, thus gaining maximum flexibility.
- **Reliable diagnostics from one source:** From DNA isolation to result - Hain Lifescience is your reliable partner for laboratory diagnostics.
- **CE-IVD certified:** No need for elaborate validation studies!

Facts

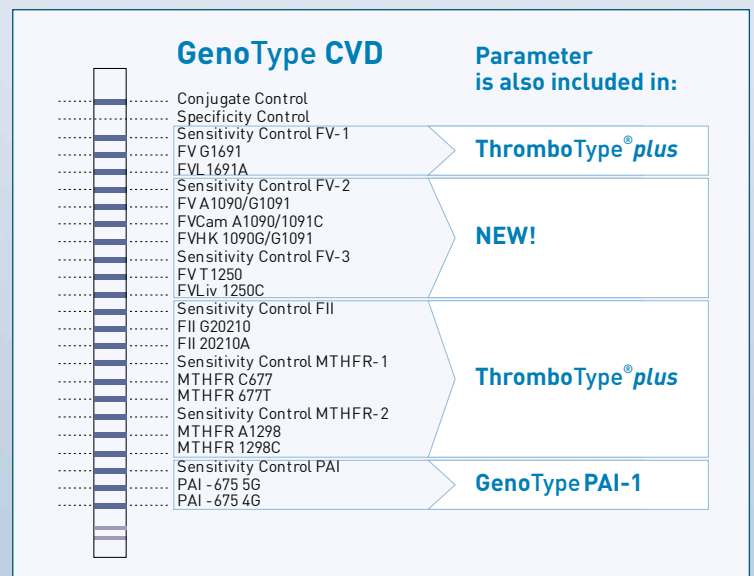
It is estimated that 2 of 1,000 people worldwide are affected by thrombophilia. The individual risk of disease depends on different factors. Genetically caused blood-clotting disorders play a major role. The Factor V Leiden mutation is the most common thrombophilia-associated mutation. A point mutation within the Factor V gene causes an amino acid exchange of arginine versus glutamine. The mutation eliminates the activated protein C (APC) cleavage site, thus the result is an increased stimulation of blood coagulation. The second most frequent mutation is the prothrombin G20210A mutation. This point mutation involves the noncoding regulatory area of the Factor II gene and leads to an increased prothrombin concentration in plasma.

Most patients who suffer from thrombophilia do have more than one genetic predisposition. A combination of genetic defects leads to an increased risk for thrombosis, thus a combined analysis of thrombophilia-associated parameters is reasonable. Mutations within the Factor V gene as Factor V Cambridge, Factor V Hong Kong and Factor V Liverpool are rare but still relevant for thrombophilia and should not be disregarded. The identification of these parameters in combination with further thrombophilia-associated mutations as MTHFR C677T, MTHFR A1298C and PAI -675 4G/5G permits a reliable estimation of the individual risk for thrombosis.

GenoType CVD: Reliable detection of eight thrombophilia associated mutations



GenoType CVD is based on the user-friendly **DNA•STRIP** technology: The isolated DNA is amplified and detected via reverse hybridization and alkaline phosphatase reaction on a membrane strip. Following thrombophilia-associated mutations can be detected at the same time: Factor V Leiden, Cambridge, Hong Kong, Liverpool, Factor II G20210A, MTHFR C677T, MTHFR A1298C and PAI -675 4G/5G.



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

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