



Thrombo inCode

Genetic evaluation of
thromboembolic disease

SYNLAB 
SOLUTIONS IN DIAGNOSTICS

www.synlab-sd.com



Why undergoing this examination?

Thrombophilia is the tendency to develop clots and occurs as a consequence of changes in the coagulation system. Thrombosis is the main factor responsible for acute myocardial infarction, strokes, and venous thromboembolism (VTE). Its prevalence is over 10%, constituting the first cause of mortality and morbidity in Western society, where this condition may be responsible for about 27% of associated mortality. Thrombophilia, or a predisposition to thrombosis, is a complex condition that involves environmental or acquired factors, genetic factors, and gene-environment interactions. Genetic thrombophilias account for more than half of the cases.

What is the exam?

The **Thrombo InCode** test evaluates 12 genetic variants associated with an increased risk of thrombosis development. The result is obtained through a mathematical algorithm that allows the patient's risk assessment in three ways: the patient's risk of presenting thrombophilia associated with the current clinical condition (variable factors such as weight, smoking, habits, and lifestyle); the patient's risk compared to the risk of Factor V Leiden heterozygosity with the same clinical profile; and the risk with the same clinical profile considering the detected genetic variants. This allows for a complete analysis of genetic implications in thrombophilia risk.

For whom is it indicated?

- Patients with a pattern of VTE or a pathology suggesting a hereditary component;
- Idiopathic venous thromboembolism under 45 years old;
- Recurrent venous thrombosis;
- Venous thrombosis in infrequent vascular territories;
- Neonatal fulminant purpura;
- Warfarin-induced skin necrosis;
- Unexplained arterial thrombosis;
- Patients at risk for thrombosis factors;
- High-risk surgeries;
- Prolonged periods of immobilization;
- Oral contraceptives, hormone replacement therapy, estrogen therapy.

Technology

Reverse Transcription Polymerase Chain Reaction (RT-PCR).

Advantages

SYNLAB GROUP

Guaranteed by the experience of the absolute European leader in laboratory diagnostics.

COMPLETE

Objective and detailed result report..

Extra Information

DOCUMENTATION - Available on the SYNLAB Direct for clients

- Consent Informed;
- Clinical Questionnaire;
- Medical request.

PREPARATION

- Fasting is not necessary for the exam;



Delivery Time

20 business days



Tipo de Amostra

5 mL of whole blood in EDTA