

Plasminogen Activator Inhibitor-1 (PAI-1) Genotype

Order Name: **PLAS ACT G**
Test Number: 1517000
Revision Date: 12/12/2022

| TEST NAME | METHODOLOGY | LOINC CODE |
|--|----------------------------------|------------|
| Plasminogen Activator Inhibitor-1 (PAI-1) Genotype | <u>Polymerase Chain Reaction</u> | |

| SPECIMEN REQUIREMENTS | | | | |
|-----------------------|---|------------------|---------------------|-----------------------|
| Specimen | Specimen Volume (min) | Specimen Type | Specimen Container | Transport Environment |
| Preferred | 1 mL | EDTA Whole Blood | EDTA (Lavender Top) | Room Temperature |
| Instructions | Specimen Type: Lavender-top (EDTA) tube or yellow-top (ACD) tube Specimen Storage: Maintain specimen at room temperature. Stability: Room temperature up to 8 days Refrigerated up to 8 days Special Instructions: Testing performed at Esoterix Coagulation Lab UY#129100 | | | |

| GENERAL INFORMATION | |
|---------------------|--|
| Expected TAT | 5-7 Days |
| Clinical Use | The 4G allele within in the promoter region of the PAI-1 (SERPINE1) gene is associated with higher plasma PAI-1 activity when compared with the 5G allele. Heterozygosity or homozygosity for the 4G allele confers a risk for venous thromboembolism (VTE), especially in individuals with other thrombophilic risk factors, as well as a risk for myocardial infarction. Variant Tested: The PAI-1 promoter 4G/5G polymorphism located in the promoter region of the SERPINE1 gene. NM_000602.3(SERPINE1) c.-817dupG (from start of translation). |
| Notes | Labcorp Test Code: 500309 |
| CPT Code(s) | 81400 |
| Service Provided By |  labcorp Oklahoma, Inc. |