Overview

Method Name
Polymerase chain reaction (PCR) and restriction fragment length polymorphism (RFLP) technologies.

NY State Available
Yes

Specimen

Specimen Type
Whole blood

Specimen Required
Specimen Type: Whole Blood

Preferred: EDTA

Acceptable: ACD (Yellow top)

Specimen volume: 5 mL

Collection Instructions: Draw 5 mL whole blood in a lavender top (EDTA) or yellow top (ACD) tube. Send refrigerated.

Forms

New York Clients - Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing is available in Special Instructions.

Specimen Minimum Volume
1.00 mL

Reject Due To

<table>
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<tr>
<th>Condition</th>
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<tbody>
<tr>
<td>Hemolysis</td>
<td>NA</td>
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<tr>
<td>Lipemia</td>
<td>NA</td>
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<tr>
<td>Icteric</td>
<td>NA</td>
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<tr>
<td>Other</td>
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Specimen Stability Information

<table>
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<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
<th>Special Container</th>
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<tbody>
<tr>
<td>Whole blood</td>
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<tr>
<td></td>
<td>Ambient</td>
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**Clinical and Interpretive**

**Clinical Information**

The PAI-1 4G allele is an inherited characteristic. If the polymorphism is present in a heterozygous or homozygous fashion, we recommend that the patient and their family consider genetic counseling to obtain additional information on inheritance and to identify other family members at risk.

If a patient possesses two or more congenital or acquired risk factors, the risk of disease may rise to more than the sum of the risk ratios for the individual risk factors. For instance, a combination of the 4G/4G genotype and the insulin resistance syndrome may confer an increase in cardiovascular disease risk over that conferred by the presence of an isolated PAI-1 4G/4G polymorphism.

**Cautions**

Genetic testing by PCR provides exceptionally high sensitivity and specificity. Incorrect genotyping results can be caused by rare polymorphisms in primer binding sites and to misidentification of specimens by collectors or laboratory personnel. This assay analyzes only the PAI 4G/5G locus and does not measure genetic abnormalities elsewhere in the genome.

**Clinical Reference**


**Performance**

**Method Description**

Patient DNA was evaluated for the PAI-1 4G/5G promoter polymorphism, which is a single base pair guanine (4G/5G) deletion/insertion polymorphism, using polymerase chain reaction (PCR) technology and restriction fragment length polymorphism (RFLP).

**PDF Report**

No

**Day(s) and Time(s) Test Performed**

Wednesday, Saturday

**Analytic Time**

2 - 8 days

**Maximum Laboratory Time**

5 - 12 days

**Performing Laboratory Location**

Esoterix Coagulation

**Fees and Codes**

**Fees**

- Authorized users can sign in to Test Prices for detailed fee information.
Test Definition: FPAIG
PAI-1 Gene Polymorphism

- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

Test Classification
Results of this test are for research purposes only per the assay manufacturer. The performance characteristics of this assay have not been established. The result should not be used as a diagnostic procedure without confirmation of the diagnosis by another medically established diagnostic product or procedure.

CPT Code Information
81400

LOINC® Information

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