

**Reporting Title:** Prothrombin G20210A Mutation, B

**Performing Location:** Rochester

**Ordering Guidance:**

This assay will only detect the *F2* c.\*97G>A (rs1799963) variant associated with thrombophilia. To detect other pathogenic alterations in the *F2* gene of a patient with a laboratory diagnosis of thrombophilia, order F2NGS / F2 Gene Next Generation Sequencing, Varies.

This assay will not detect alterations in individuals with thrombophilia caused by mechanisms other than the *F2* c.\*97G>A variant. For those situations consider ordering AATHR / Thrombophilia Profile, Plasma and Whole Blood.

**Specimen Requirements:**

**Patient Preparation:** A previous bone marrow transplant from an allogenic donor will interfere with testing. Call 800-533-1710 for instructions for testing patients who have received a bone marrow transplant.

**Container/Tube:**

**Preferred:** Lavender top (EDTA)

**Acceptable:** Yellow top (ACD solution B), light-blue top (sodium citrate)

**Specimen Volume:** 3 mL

**Collection Instructions:**

1. Invert several times to mix blood.
2. Send specimen in original tube. **Do not** aliquot.

**Forms:**

1. **New York Clients-Informed consent is required.** Document on the request form or electronic order that a copy is on file. The following documents are available:  
[-Informed Consent for Genetic Testing](#) (T576)  
[-Informed Consent for Genetic Testing-Spanish](#) (T826)
2. [Coagulation Patient Information](#) (T675)

Specimen Type	Temperature	Time	Special Container
Whole blood	Ambient (preferred)	14 days	
	Refrigerated	14 days	
	Frozen	14 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
21803	Prothrombin G20210A Mutation, B	Alphanumeric		24475-6
21804	PTNT Interpretation	Alphanumeric		69049-5
21806	PTNT Reviewed By	Alphanumeric		18771-6

LOINC® and CPT codes are provided by the performing laboratory.

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**Supplemental Report:**

No

**CPT Code Information:**

81240-F2 (prothrombin, coagulation factor II) (eg, hereditary hypercoagulability) gene analysis, 20210G&gt;A variant

**Reference Values:**

Negative