Prothrombin (Factor II) 20210G>A Mutation Analysis

CPT Code: 81240
Order Code: 1090
ABN Requirement: No
Synonyms: Prothrombin; Factor II; 20210G>A
Specimen: EDTA Whole Blood
Volume: 5.0 mL
Minimum Volume: 3.0 mL
Container: EDTA (Lavender Top Tube)

Collection:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 8-10 times immediately after draw. DO NOT SHAKE.
3. Do not centrifuge.

Please Note: This germline genetic test requires physician attestation that patient consent has been received if ordering medical facility is located in AK, DE, FL, GA, IA, MA, MN, NV, NJ, NY, OR, SD, or VT or test is performed in MA.

Special Instructions: A separate EDTA whole blood tube is needed for molecular tests. Collect additional samples for other testing that requires EDTA whole blood.

Transport: Store EDTA whole blood at 2°C to 8°C after collection and ship the same day per packaging instructions included with the provided shipping box.

Stability:

Ambient (15-25°C): 8 days
Refrigerated (2-8°C): 8 days
Frozen (-20°C): 30 days

Causes for Rejection: Specimens other than EDTA whole blood; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Polymerase Chain Reaction & Detection

Turn Around Time: 4 to 7 days

Reference Range: See Laboratory Report

Clinical Significance: Factor II Mutation (G20210A) is one of the most common causes of venous thrombosis. 2.3% of the general population is heterozygous in contrast with 6.2% of patients with venous thrombosis and 18% with familial venous thrombosis. Other risk factors compound the risk for venous thrombosis.

Limitations: If this mutation is not found by the testing procedure, it does not mean that the risk of carrying or developing deep vein thrombosis is not present. It simply means that this specific mutation has not been found, although other mutations may be present. It is also possible that such a patient may have secondary deep vein thrombosis due to non-genetic causes that would not be detected by this test. A person with one copy of the mutation has an approximate 3-fold increase in risk for venous thrombosis. The increase in risk for a person with two copies of the mutation is not known

The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.