Prothrombin 20210G>A Mutation

Specimen Collection, Storage, and Shipping

Test Information:
The assay detects the 20210G>A (G20210A or c.*97G>A) allele in the prothrombin gene (F2 rs1799963) linked to elevated plasma prothrombin levels and a 3-fold increased risk for venous thrombosis [1, 2]. The 20210 G>A mutation is found in approximately 2% of the general population and 5-8% of individuals with VTE [2]. The mutation prevalence is approximately 2-5% in whites and Hispanics, up to 0.6% in African Americans, and is extremely low in Asians and Native Americans [1, 2]. The assay can also detect other rare sequence variations within the 3’ UTR of F2 (e.g., 20207A>C, 20209C>T, 20218A>G, 20219T>A, 20221C>T) that have been associated with thrombophilia events in specific ethnic groups [3, 4].

Requisition Code:
Prothrombin 20210G>A mutation

CPT Codes:
20210G>A variant: 81240; G0452-26
Other 3’UTR variants: 81479; G0452-26

Turn-Around Time:
7-10 days

Specimen Requirements:
Collect: Peripheral blood: 2-5 mL in EDTA (purple top) tube
Storage: Room temperature
Remarks: See Standard Shipping Procedures

References: