

Patient Information	Specimen Information	Client Information

COMMENTS:

Test Name	In Range	Out Of Range	Reference Range	Lab
PROTHROMBIN (FACTOR II)				
20210G>A MUTATION	NEGATIVE			
RESULT: G20210A VARIANT NOT DETECTED				
INTERPRETATION	See Below			

INTERPRETATION: This individual is negative (normal) for the G20210A variant in the Prothrombin/Factor II gene. Increased risk of thrombophilia can be caused by a variety of genetic and non-genetic factors not screened for by this assay.

Laboratory testing supervised and results monitored by

The G20210A mutation [AF478696.1: g.21538G>A (c.*97G>A)] in the Prothrombin/Factor II gene is the second most common inherited risk factor for thrombosis occurring in approximately 2% of Caucasians. Presence of the mutation is associated with an elevation of prothrombin levels to about 30% above normal in heterozygotes and to 70% above normal in homozygotes.

Prothrombin (G20210A) mutations are detected by amplification of their selected gene regions by polymerase chain reaction (PCR) and fluorescent probe hybridization to the targeted region, followed by melting curve analysis with a real time PCR system. Although rare, false positive or false negative results may occur. All results should be interpreted in context of clinical findings, relevant history, and other laboratory data.

Health care providers, please contact your local Quest Diagnostics' genetic counselor or call 1-866-GENEINFO (866-436-3463) for assistance with interpretation of these results.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

PERFORMING SITE:

SPECIMEN: