Quest Diagnostics

Report Status: Final

Patient Information	Specimen Information	Client Information

COMMENTS:

Test Name	In Range	Out Of Range	Reference Range	Lab
FACTOR V (LEIDEN)				
MUTATION ANALYSIS				
FACTOR V (LEIDEN)				
MUTATION		NEGATIVE		
FACTOR V LEIDEN (R506Q)		VARIANT NOT DETECTED		
INTERPRETATION		See Below		

INTERPRETATION: This individual is negative (normal) for the Factor V Leiden (R506Q) variant in the Factor V 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

VARIANT ANALYSIS:
The Factor V Leiden (R506Q) variant [NM_000130.2:c.1601G>A (p.R534Q)] in the Factor V gene is one of the most common causes of inherited thrombophilia. This variant causes resistance to degradation of activated Factor V protein by activated Protein C (APC).

The Factor V Leiden (R506Q) variant is detected by amplification of the selected region of the Factor V gene by polymerase chain reaction (PCR) and fluorescent probe hybridization to the targeted region, followed by end-point 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 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: