



Patient Information	Specimen Information	Client Information
<b>DOB:</b> <b>AGE:</b> Gender: Phone: Patient ID: Health ID:	Specimen: Requisition: Lab Ref#: Collected: Received: Reported:	REQUEST A TEST - PWN HEALTH 7027 MILL RD STE 201 BRECKSVILLE, OH 44141-1852

Test Name	In Range	Out Of Range	Reference Range	Lab
FACTOR V (LEIDEN) MUTATION ANALYSIS FACTOR V (LEIDEN) MUTATION				EZ

RESULT: FACTOR V LEIDEN (R506Q) VARIANT NOT DETECTED  
 INTERPRETATION                      SEE NOTE  
 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 Qing Zhang, MD, PhD, FACMG, CGMBS.

**MUTATION ANALYSIS:**  
 The Factor V Leiden (R506Q) mutation [NM 000130.2: c.1601G>A (p.R534Q)] in the Factor V gene is one of the most common causes of inherited thrombophilia. This mutation causes resistance to degradation of activated Factor V protein by activated protein C (APC). The Factor V Leiden (R506Q) mutation is detected by amplification of the selected region of Factor V gene 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.

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 FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

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.

**PERFORMING SITE:**

EZ    QUEST DIAGNOSTICS/NICHOLS SJC, 33608 ORTEGA HWY, SAN JUAN CAPISTRANO, CA 92675-2042 Laboratory Director: IRINA MARAMICA,MD,PHD,MBA, CLIA: 05D0643352