Patient ID	Patient Name		Birth Date	Sex	Age
SA00158376	TESTINGRNV, APCRRTESTING		1993-10-18	M	29
Order Number	Client Order Number	Ordering Physician	Report Notes		
SA00158376	SA00158376	CLIENT,CLIENT			
Account Information		Collected			
C7028846 DLMP Rochester		23 Feb 2023 00:00			

APCRV, w/Reflex, P

Activated Protein Resistance V, P

Result Name	Value	Unit	Reference Value	Performing Site
⚠ Low **APCRV Ratio**	**2.0**		≥2.3	MCR

Interpretation

MCR

Abnormally low Activated Protein C-Resistance (APCRV) assay ratio indicates presence of APC Resistance (APCR). APCR is most commonly genetic, due to the factor V Leiden mutation, but rarely may be acquired (e.g. lupus anticoagulant, estrogen use, pregnancy etc.) or artifactual [e.g. specimen collected in incorrect anticoagulant (EDTA)]. If appropriate specimen was received, DNA based testing for factor V Leiden mutation will be added and a summary interpretation will follow.

Note: The APCRV assay has greater than 99% sensitivity for detecting presence of factor V Leiden mutation. Discrepant results of plasma based activated protein C resistance ratio (APCRV) and DNA based factor V Leiden testing may occur in recipients of liver or allogeneic hematopoietic stem cell transplants, or due to anticoagulant effects such as excess heparin, direct thrombin inhibitors argatroban (Acova), bivalirudin (Angiomax) or dabigatran (Pradaxa) or direct factor Xa inhibitors rivaroxaban (Xarelto), apixaban (Eliquis) and edoxaban (Savaysa), a sample mix up or specimen collected in incorrect anticoagulant (EDTA). Suggest clinical correlation.

Result Name	Value	Unit	Reference Value	Performing Site
Whole Blood	Whole Blood			MCR

Received: 23 Feb 2023 14:57

Reported: 23 Feb 2023 14:57

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292

Patient ID	Patient Name		Birth Date	Sex	Age
SA00158376	TESTINGRNV, APCRRTESTING		1993-10-18	M	29
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00158376	SA00158376	CLIENT,CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		23 Feb 2023 00:00			

Factor V Leiden (R506Q) Mutation, B

F5DNA Interpretation

1 MCR

This individual DOES have the factor V Leiden F5 c.1601G>A; p.Arg534Gln (legacy numbering Arg506Gln) variant on ONE allele, (heterozygous carrier). The factor V Leiden (p.Arg534Gln) variant is a mild risk factor for venous thromboembolism (VTE). This individual may have other genetic and environmental risk factors for VTE. If indicated, consider genetic consultation and counseling for this individual and potentially affected family members regarding laboratory testing.

ADDITIONAL INFORMATION

This test uses TaqMan Genotyping chemistry to amplify and detect specific single nucleotide polymorphisms in purified genomic DNA.

DISCLAIMER

Discrepancy between the activated protein C resistance assay and the DNA based F5 c.1601 G>A. p.Arg534Gln assay may be observed in patients receiving allogenic stem cell transplants or liver transplants.

Factor V Leiden (R506Q) Mutation, B

MCR

	Reference Value
⚠ Abn Heterozygous	Negative

F5DNA Reviewed By

MCR

COLE ASPROS

Received: 23 Feb 2023 14:57 **Reported:** 23 Feb 2023 15:01

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292

Patient ID	Patient Name		Birth Date	Sex	Age
SA00158376	TESTINGRNV, APCRRTESTING		1993-10-18	M	29
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00158376	SA00158376	CLIENT,CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		23 Feb 2023 00:00			

APCRV/F5DNA Summary Interpretation

APCRV/F5DNA Summary Interpretation

MCR

Activated protein C resistance due to heterozygous factor V Leiden mutation. A mild to moderate risk factor for venous thromboembolism.

Result Name	Value	Unit	Reference Value	Performing Site
Interpretation	Performed			MCR

Received: 23 Feb 2023 14:57

Reported: 23 Feb 2023 15:06

Laboratory Notes

[1] This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292