MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,MTHFR	SA00048671	46	F	SA00048671
Ordering Phys				**DOB** 06/10/1966
Client Order # SA00048671	**Account Information**			**Report Notes**
Collected 08/22/2012 13:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 08/28/2012 12:06				

Test	Flag	Results	Unit	Reference Value	Perform Site*
			REPORTED 08/23/2012 11:34		
Methylenetetrahydrofol Reduc Mut, B		Heterozygous		Negative	MCR
MTHFR Interpretation					MCR

This individual DOES have the Methylenetetrahydrofolate reductase (MTHFR) C677T gene mutation on ONE allele (heterozygous mutant). Heterozygous carriers are not at risk for hyperhomocysteinemia. Hyperhomocysteinemia is a risk factor for both venous thromboembolism and arterial thrombosis. MTHFR C677T carriers are not at increased risk for thrombosis in the absence of hyperhomocysteinemia. The MTHFR C677T gene mutation test does not detect other causes of hyperhomocysteinemia due to acquired disorders, such as renal failure, zinc deficiency, leukemia, psoriasis, or antifolate drug therapy. If clinically indicated, suggest Coagulation Consultation 83093 (Thrombophila Profile) to complete the evaluation for an inherited or acquired thrombosing disorder (i.e., thrombophilia). Consider genetic consultation and counseling of potentially affected family members regarding laboratory testing.
This test is a direct mutation analysis of leukocyte genomic DNA by the Invader Assay system (Invader, Hologic Inc, Madison, WI).
Analyte Specific Reagent. This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.

MTHFR Reviewed By		Ann Strege			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

* Report times for Mayo performed tests are CST/CDT