MAYO CLINIC
Mayo Medical Laboratories

1-800-533-1710

MTHP

5,10-Methylenetetrahydrofolate Reductase
C677T and A1298C Mutations, Blood

Patient ID	Patient Name		Birth Date	Gender	Age
SA00056230	SAMPLEREPORT, MTHP		1960-10-10	M	52
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00056230	SA00056230	Client, Client			
Account Information		**Collected**			
C7028846 DLMP Rochester		25 Mar 2013 13:00			

MTHFR 2 Mutations Analysis, B

MTHFR C677T Mutation Analysis, B

MTHFR Interpretation MCR

This individual DOES NOT have the Methylenetetrahydrofolate reductase (MTHFR) C677T gene mutation. In the absence of the MTHFR C677T gene mutation, other causes of hyperhomocysteinemia should be considered (renal failure, zinc deficiency, leukemia, psoriasis, or antifolate drug therapy). If clinically indicated, suggest Coagulation Consultation 83093 (Thrombophilia 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.

ADDITIONAL INFORMATION

This test is a direct mutation analysis using PCR amplification, signal generation and release by cleavage of sequence specific alleles (Invader Plus Chemistry, Hologic, Madison, WI).

Methylenetetrahydrofol Reduc Mut, B MCR

Negative

Reference Value
Negative

MTHFR Reviewed By MCR

Derlen Oldenburg

MTHFR A1298C Mutation Analysis, B

MTHAC Interpretation MCR

This individual DOES NOT have the Methylenetetrahydrofolate reductase (MTHAC) A1298C gene mutation. In the absence of the MTHAC A1298C gene mutation, other causes of hyperhomocysteinemia should be considered (renal failure, zinc deficiency, leukemia, psoriasis, or antifolate drug therapy). If clinically indicated, suggest Coagulation Consultation 83093 (Thrombophilia 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.

ADDITIONAL INFORMATION

This test is a direct mutation analysis using PCR amplification, signal generation and release by cleavage of sequence specific alleles (Invader Plus Chemistry, Hologic, Madison, WI).

MTHFR A1298C Mutation Analysis, B MCR

Negative

Reference Value
Negative

MTHAC Reviewed By MCR

Derlen Oldenburg

This test is a direct mutation analysis using PCR amplification, signal generation and release by cleavage of sequence specific alleles (Invader Plus Chemistry, Hologic, Madison, WI).

Received: 26 Mar 2013 17:55 **Reported:** 26 Mar 2013 18:04

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905