MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,HHEMO N	SA00058757	46	F	SA00058757
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00058757	**Account Information**			**Report Notes**
Collected 06/04/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/11/2013 15:19				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Hemochromatosis HFE Gene Analysis,B					
RECEIVED: 06/04/2013 17:40 **REPORTED:** 06/10/2013 15:00					
Specimen		Blood			MCR
Specimen ID		1062039			MCR
Order Date		05 Jun 2013 08:42			MCR
Method					MCR

A PCR-based assay was utilized to test for the following three mutations in the HFE gene: C282Y, H63D, and S65C. Because of the minimal effect on iron metabolism associated with the S65C mutation, it is only reported when it is found with the C282Y mutation (i.e. if the patient has the C282Y/S65C genotype).

Results MCR

C282Y: Not detected.
H63D: Not detected.

Interpretation MCR

This result suggests a low risk for either a diagnosis of or predisposition for hereditary hemochromatosis (HH).

The diagnosis of HH cannot be excluded because approximately 5 to 8% of patients with HH in a North American Caucasian population do not have either the C282Y or H63D mutation. For other ethnic and racial groups, the percentage of patients with an unidentified mutation on both chromosomes may differ. This result does not rule out the presence of disease causing mutations in other regions of the HFE gene or in other genes associated with hemochromatosis. This result should be interpreted in the context of clinical presentation and results of other laboratory tests (e.g., serum transferrin-iron saturation and serum ferritin).

The above interpretation assumes that testing is being performed for a possible diagnosis of HH. For carrier testing, the interpretation of this result depends on the family history and genotype of affected individuals.

A genetic consultation may be of benefit.
CAUTIONS:
Test results should be interpreted in context of clinical findings, family history, and other laboratory data. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

Rare polymorphisms exist that could lead to false negative

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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or positive results. If results obtained do not match the clinical findings, additional testing should be considered.					
Bone marrow transplants from allogenic donors will interfere with testing. Call Mayo Medical Laboratories for instructions for testing patients who have received a bone marrow transplant.					
Laboratory developed test.					
Reviewed By: Emily Christine Lauer					MCR
Release Date		10 Jun 2013 14:57			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.