MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTING,81508				W2921123
Ordering Phys		**DOB**		
Client Order # W2921123	**Account Information** C7999998-STUSTEST 200 FIRST STREET SW ROCHESTER, MN 55901 (507)266-5730	**Report Notes**		
Collected 10/14/2009 06:00				
Printed 10/14/2009 16:13				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Hemochromatosis HFE Gene Analysis, B		REPORTED 10/14/2009 12:28			
Specimen		Blood			MCR
Specimen ID		756319			MCR
Order Date		09 Oct 2009 11:13			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: Homozygous. Two copies of the C282Y mutation identified H63D: not detected.					
Interpretation					MCR
This finding confirms the diagnosis or the predisposition for Hereditary Hemochromatosis (HH). These results need to Be interpreted in the context of the clinical presentation and the results of other laboratory tests. Gender and serum ferritin level are known to impact penetrance of C282Y. Men with homozygous C282Y mutations are at considerably higher risk than women with the same genotype to exhibit symptoms. Additionally, individuals with two copies of the C282Y mutation and a serum ferritin level greater than or equal to 1000 ug/L are at increased risk for symptoms related to iron overload. This individual's result has important implications for other family members. A clinical and laboratory evaluation, including genetic testing, should be considered for at risk individuals. However, a number of important issues, such as psychosocial effects, insurability, and employability must be kept in mind prior to genetic testing (presymptomatic or (carrier) for HH. 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.					

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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Rare polymorphisms exist that could lead to false negative
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.

Reviewed By: MCR
D Brian Dawson PhD
Release Date 14 Oct 2009 09:37 MCR

* Performing Site:

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.