

Patient Name SAMPLEREP,AGPB A	Patient ID SA00058756	Age 46	Gender F	Order # SA00058756
Ordering Phys CLIENT,CLIENT				DOB 06/10/1966
Client Order # SA00058756	Account Information C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			Report Notes
Collected 06/04/2013 00:00				
Printed 06/11/2013 15:18				

Test	Flag	Results	Unit	Reference Value	Perform Site*
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Alpha-Globin Gene Analysis

RECEIVED: 06/04/2013 17:23 REPORTED: 06/10/2013 14:58

Specimen	Blood	MCR
Specimen ID	1062038	MCR
Order Date	05 Jun 2013 08:42	MCR
Method		MCR

Method
Dosage analysis (PCR and MLPA) was used to detect deletion-type mutations and the Hb Constant Spring and alphaT Saudi point mutations within the alpha globin gene cluster. This method uses multiple probes that hybridize throughout the alpha-gene locus on chromosome 16 from the HS-40 regulatory region through the 3' hypervariable region (3' HVR).

Result
Two alpha globin genes are deleted in cis, i.e., on the same chromosome. MCR

Interpretation
This result is consistent with alpha thalassemia trait. If appropriate, molecular studies on this individual's reproductive partner are recommended to further clarify their reproductive risk. MCR

This assay does not detect non-deletion types of mutations, such as point mutations other than the alphaT Saudi and Hb Constant Spring. Therefore, this result should be interpreted in the context of clinical presentation and results of other laboratory tests [e.g., hemoglobin electrophoresis and mean corpuscular volume (MCV)].

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 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.

Performing Site Legend on Last Page of Report

Patient Name SAMPLEREP,AGPB A	Collection Date and Time 06/04/2013 00:00	Report Status Final
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* Report times for Mayo performed tests are CST/CDT

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Test	Flag	Results	Unit	Reference Value	Perform Site*
Laboratory developed test.					
Reviewed By: Emily Christine Lauer					MCR
Released 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:
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Patient Name SAMPLEREP,AGPB A	Collection Date and Time 06/04/2013 00:00	Report Status Final
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