Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,MENKM A	SA00058699	46	F	SA00058699
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00058699	**Account Information**			**Report Notes**
Collected 06/02/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/05/2013 08:58				

Test	Flag	Results	Unit	Reference Value	Perform Site*
MEN2 (2A,2B,FMTC) Known Mutation					
RECEIVED: 06/03/2013 16:04 **REPORTED:** 06/04/2013 15:30					
Specimen		Blood			MCR
Specimen ID		1062023			MCR
Order Date		04 Jun 2013 11:30			MCR
Reason For Referral					MCR
Family history of multiple endocrine neoplasia type 2 (MEN2). Test for the presence of a mutation in the RET proto-oncogene.					
Method					MCR
DNA sequence analysis was used to test for the presence of the p.C634R (c.1900T>C) mutation in exon 11 of the RET proto oncogene. Testing was performed for this specific mutation because it was previously identified in an affected family member of this individual. Mutation nomenclature is based on GenBank accession number; NM_020975.3.					
Result					MCR
The following sequence change was detected: Exon: 11 DNA change: c.1900T>C Amino acid change: p.C634R (Cys634Arg) Classification: DELETERIOUS					
Interpretation					MCR
This alteration is a known deleterious mutation. This result is consistent with a diagnosis of multiple endocrine neoplasia type 2A (MEN 2A)/familial medullary thyroid carcinoma (FMTC). Since a mutation has been identified, testing of at risk family members is possible. Mutation-specific testing for MEN2 is available at Mayo Medical Laboratories by ordering MENKM/81082 MEN2 Known Mutation. Please contact the Molecular Genetics Laboratory at 1-800-533-1710 with questions about this test. A genetic consultation may be of benefit. Unless reported or predicted to cause disease, alterations found deep in the intron or alterations that do not result in an amino acid substitution are not reported. These and common polymorphisms identified for this patient are available upon request.					

Performing Site Legend on Last Page of Report

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Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

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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.

Laboratory developed test.

Reviewed By: MCR
Emily Christine Lauer
Release Date 04 Jun 2013 15:29 MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: