

<b>Patient Name</b> SAMPLEREOPRT,MENMS A	<b>Patient ID</b> SA00058702	<b>Age</b> 46	<b>Gender</b> F	<b>Order #</b> SA00058702
<b>Ordering Phys</b> CLIENT,CLIENT			<b>DOB</b> 06/10/1966	
<b>Client Order #</b> SA00058702	<b>Account Information</b>			<b>Report Notes</b>
<b>Collected</b> 06/02/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
<b>Printed</b> 06/05/2013 09:00				

Test	Flag	Results	Unit	Reference Value	Perform Site*
<b>MEN2 (2A,2B,FMTC) Mutation Screen</b>					
RECEIVED: 06/03/2013 16:18    REPORTED: 06/04/2013 15:32					
Specimen		Blood			MCR
Specimen ID		1062025			MCR
Order Date		04 Jun 2013 11:31			MCR
Reason For Referral		Patient has medullary thyroid cancer (MTC). Test for the presence of a mutation in the RET proto-oncogene.			MCR
Method		Bi-directional sequence analysis was performed to test for the presence of a mutation in exons 10, 11, 13, 14, 15, and 16 of the RET proto-oncogene. Mutation nomenclature is based on GenBank accession number NM_020975.3.			MCR
Result		The following sequence change was detected: Exon: 11 DNA change: c.1900T>C Amino acid change: p.C634R (Cys634Arg) Classification: DELETERIOUS			MCR
Interpretation		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.  CAUTIONS: Test results should be interpreted in context of clinical findings, family history, and other laboratory data.			MCR

\*\*\*Performing Site Legend on Last Page of Report\*\*\*

<b>Patient Name</b> SAMPLEREOPRT,MENMS A	<b>Collection Date and Time</b> 06/02/2013 00:00	<b>Report Status</b> Final
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\* Report times for Mayo performed tests are CST/CDT

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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:

Emily Christine Lauer

MCR

Release Date

04 Jun 2013 15:31

MCR

\* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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Page 2 of 2		** End of Report **

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