MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTING,80573				W2897454
Ordering Phys		**DOB**		
Client Order # W2897454	**Account Information** C7999998-STUSTEST 200 FIRST STREET SW ROCHESTER, MN 55901 (507)266-5730	**Report Notes**		
Collected 10/12/2009 06:00				
Printed 10/13/2009 10:21				

Test	Flag	Results	Unit	Reference Value	Perform Site*
MEN2 (2A,2B,FMTC) Mutation Screen			REPORTED 10/12/2009 14:47		
Specimen		Blood			MCR
Specimen ID		753111			MCR
Order Date		26 Sep 2009 10:35			MCR
Reason For Referral					MCR
Patient has medullary thyroid cancer (MTC). Analyze specimen for the presence of a detectable mutation in the RET proto-oncogene.					
Method					MCR
DNA 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.					
Result					MCR
A mutation was NOT detected.					
Interpretation					MCR
These results decrease the likelihood but do not rule out the diagnosis of Multiple Endocrine Neoplasia Type 2 (MEN2) or familial medullary thyroid cancer (FMTC) since disease causing mutations may be present in other regions of the RET proto-oncogene. To date, approximately, 2% of MEN 2A, 2% of MEN 2B, and 5% of FMTC families have not demonstrated a mutation within the tested exons of the RET proto-oncogene.					
A list of common polymorphisms identified for this patient is available upon request.					
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.					
Reviewed By:		See Comment			MCR
Kevin Carl Halling MD, PhD					

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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Test	Flag	Results	Unit	Reference Value	Perform Site*
Release Date		10 Oct 2009 11:27			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.

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