Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,MSH6K N	SA00058842	46	F	SA00058842
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00058842	**Account Information**			**Report Notes**
Collected 06/06/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/13/2013 10:26				

Test	Flag	Results	Unit	Reference Value	Perform Site*

MSH6 Known Mutation
RECEIVED: 06/07/2013 14:31 **REPORTED:** 06/13/2013 08:24

Reason For Referral MCR

Family history of Lynch syndrome. Test for the presence of a mutation in the MSH6 gene.

Result MCR

The p.R911X mutation was NOT detected.

Interpretation MCR

Absence of the mutation previously identified for an affected family member indicates that this individual is NOT at increased risk for developing symptoms related to Lynch syndrome.

This assay does not rule out the presence of other mutations in this gene or in other genes that are associated with colon cancer and other cancers.

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. 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.

Method MCR

DNA sequence analysis was used to test for the presence of the c.2731C>T (p.R911X) mutation in exon 4 of the MSH6 gene.

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Test	Flag	Results	Unit	Reference Value	Perform Site*
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_000179.2.					
Specimen		Blood			MCR
Reviewed By: Emily Christine Lauer					MCR
Release Date		13 Jun 2013 08:22			MCR

* Performing Site:

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