MAYO CLINIC
Mayo Medical Laboratories

LABORATORY SERVICE REPORT

1-800-533-1710

PATIENT NAME	PATIENT NUMBER	AGE	SEX	ACCESSION #
TESTING, QA83191		33	F	G9134770

ORDERING PHYSICIAN	CLIENT ORDER #	ACCOUNT #
		LIAISONS

COLLECTION DATE TIME	RECEIVED DATE TIME	REPORT PRINTED DATE TIME	SPECIMEN INFORMATION
09/15/09 02:19 P	09/15/09 02:19 P	11/11/09 01:31 P	DATE OF BIRTH:

Test Client
Attn: Mayo Liaisons
200 First Street SW
Rochester, MN 55905
507-284-8202

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *

MLH1/MSH2 Mutation Screen

Specimen	**Blood**	**MCR**
Specimen ID	**1033333**	**MCR**
Order Date	**05 Oct 2009 11:39**	**MCR**

Reason for Referral **MCR**

Patient has a possible diagnosis of Hereditary Nonpolyposis Colorectal Cancer (HNPCC). Test for the presence of a mutation in the hMLH1 and hMSH2 genes as well as large deletions involving the TACSTD1 gene.

Method **MCR**

DNA sequence analysis was performed to test for the presence of a mutation in all 19 exons of the hMLH1 gene and all 16 exons of the hMSH2 gene. Additionally, gene dosage analysis (MLPA) was used to test for the presence of large deletions and duplications in the hMLH1 and hMSH2 genes (all exons) and the TACSTD1 gene (2 probes in the 3-prime untranslated region).

Result **MCR**

A mutation was NOT detected in hMLH1, hMSH2, or TACSTD1.

Interpretation **MCR**

This result is consistent with a diagnosis of HNPCC for this individual.
Identification of a mutation for this individual means that predictive testing can be performed for other at risk family members.
A genetic consultation may be of benefit.
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.

** Perform Site Legend on last page of report*

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TESTING, QA83191	Final	09/15/09 02:19 P

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Misinterpretation of results may occur if the information provided is inaccurate of 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.			
MLPA Performed?	**Yes.**		**MCR**
See #89853, MLH1/MSH2 Large Deletion/Duplication, MLPA, for billing information.			
Reviewed By:	**Keri Jane Kruckeberg**		**MCR**
Release Date	**05 Oct 2009 11:42**		**MCR**

*** PERFORMING SITE**

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

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TESTING, QA83191	Final	09/15/09 02:19 P

Specimen receipt and report times are in CST/CDT

REPRINT