Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,MLBRF N	SA00058703	46	F	SA00058703
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00058703	**Account Information**			**Report Notes**
Collected 06/02/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/05/2013 10:22				

Test	Flag	Results	Unit	Reference Value	Perform Site*
MLH1 Hypermethylation/BRAF Mutation					
RECEIVED: 06/03/2013 16:29 **REPORTED:** 06/05/2013 10:11					
MLH1 Hypermethylation					
Specimen		Tissue-Tumor			MCR
Specimen ID		1062026			MCR
Order Date		04 Jun 2013 11:31			MCR
Comment					MCR
Analysis has been completed. Refer to the MLH1 Hypermethylation and BRAF (V600E) Mutation Interpretation for results and interpretation.					
Consultant					MCR
Melody Elizabeth Kimball					
Report Date		05 Jun 2013 10:08			MCR
BRAF Mutation Analysis (V600E)					
Specimen		Tissue-Tumor			MCR
Specimen ID		1062026			MCR
Order Date		04 Jun 2013 11:31			MCR
Comment					MCR
Analysis has been completed. Refer to the MLH1 Hypermethylation and BRAF (V600E) Mutation Interpretation for results and interpretation.					
Consultant					MCR
Melody Elizabeth Kimball					
Report Date		05 Jun 2013 10:08			MCR
MLH1 Hyp/BRAF (V600E) Mut Interp					
Specimen		Tissue-Tumor			MCR
Specimen ID		1062026			MCR
Order Date		04 Jun 2013 11:31			MCR
Reason For Referral					MCR
Tumor demonstrates loss of MLH1 protein expression. Determine the likelihood of a germline MLH1 mutation versus the somatic/epigenetic inactivation of MLH1.					
Method					MCR
A PCR based assay is used to test tumor DNA for the presence of MLH1 promoter hypermethylation and tumor DNA for the presence of the V600E (Val600Glu) mutation in the BRAF gene.					
MLH1 Results					MCR
Tumor tissue: Negative for MLH1 promoter hypermethylation.					
BRAF Results					MCR
The BRAF V600E mutation was NOT detected.					
Interpretation					MCR
These results do not provide evidence for the somatic/epigenetic inactivation of MLH1. Together with the loss of MLH1 protein expression in this patient's tumor,					

Performing Site Legend on Last Page of Report

TEST SITE

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,MLBRF N	SA00058703	46	F	SA00058703
Ordering Phys CLIENT,CLIENT				**DOB** 06/10/1966
Client Order # SA00058703	**Account Information**			**Report Notes**
Collected 06/02/2013 00:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/05/2013 10:22				

Test	Flag	Results	Unit	Reference Value	Perform Site*
these results suggest the presence of a germline mutation. Germline testing of the MLH1 gene should be considered.					
This result does not rule out the presence of the V600E mutation that may be present but below the limits of detection for this assay (approximately 10%).					
A genetic consultation may be of benefit.					
CAUTIONS: Test results should be interpreted in context of clinical findings, family history, and other laboratory data. If results obtained do not match other clinical or laboratory findings, please contact the laboratory for possible interpretation. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.					
Laboratory developed test.					
Consultant Emily Christine Lauer					MCR
Report Date		04 Jun 2013 15:11			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

TEST SITE