

Patient Name SAMPLEREP, BRAF	Patient ID SA00045524	Age 45	Gender F	Order # SA00045524
Ordering Phys				DOB 06/10/1966
Client Order # SA00045524	Account Information			Report Notes
Collected 04/29/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER, MN 55901			
Printed 07/17/2012 17:42				

Test	Flag	Results	Unit	Reference Value	Perform Site*
BRAF Mutation Analysis(V600E), Tumor			REPORTED 07/13/2012 09:52		
Specimen		Tissue-Tumor			MCR
Specimen ID		1038130			MCR
Order Date		08 May 2012 07:42			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 the V600E (Val600Glu) mutation within the BRAF gene.			
Results		The BRAF V600E mutation was NOT detected.			MCR
Interpretation					MCR
		The BRAF V600E mutation is rarely detected in patients with a germline MLH1 gene mutation. However, the BRAF V600E mutation is also not detected in approximately 30% of patients whose tumors demonstrate loss of MLH1 due to promoter hypermethylation. Thus, these results do not provide predictive information for the presence of a germline mutation in the MLH1 gene.			
		Testing for hypermethylation of the MLH1 promoter may provide additional information. Absence of MLH1 promoter hypermethylation in this patient's tumor would provide additional evidence for the presence of a germline MLH1 gene mutation in this individual.			
		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			MCR

Performing Site Legend on Last Page of Report

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* Report times for Mayo performed tests are CST/CDT

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Test	Flag	Results	Unit	Reference Value	Perform Site*
Melody Elizabeth Kimball Report Date		13 Jul 2012 09:49			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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Patient Name SAMPLEREPORT,BRAF	Collection Date and Time 04/29/2012	Report Status Final
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