

Patient Name TESTING,88566	Patient ID	Age	Gender	Order # W2918230
Ordering Phys		DOB		
Client Order # W2918230	Account Information C7999998-STUSTEST	Report Notes		
Collected 10/14/2009 07:46	200 FIRST STREET SW ROCHESTER, MN 55901			
Printed 10/14/2009 11:59	(507)266-5730			

Test	Flag	Results	Unit	Reference Value	Perform Site*
Microsatellite Instability, Tumor				REPORTED 10/14/2009 11:02	
Microsatellite Instability, Tumor					
Specimen		Tissue-Tumor			MCR
Specimen ID		755526			MCR
Source		P00 2259 6			MCR
Order Date		05 Oct 2009 11:10			MCR
Reason For Referral		Possible diagnosis of Hereditary Nonpolyposis Colon Cancer (HNPCC). Evaluate tumor tissue for evidence of defective DNA mismatch repair.			MCR
Method		A PCR based assay is used to test for tumor microsatellite instability (MSI) with the use of 5 mononucleotide repeat markers (BAT25, BAT26, Mono27, NR24, and NR21). The tumor tissue is classified as MSS/MSI-L (instability detected in 0 or 1 out of 5 markers), or MSI-H (instability in 2 or more of 5 markers tested).			MCR
Results		Tumor type: rectal adenocarcinoma MSI: MSS/MSI-L (instability observed in 0 of 5 informative markers)			MCR
Interpretation		An MSS/MSI L phenotype suggests the presence of normal DNA mismatch repair function within the tumor. Thus, the likelihood that this individual has an inherited colon cancer syndrome due to defective DNA mismatch repair (HNPCC) is very low. However, these results cannot rule out the possibility that this individual's tumor is due to an inherited defect in another gene not involved in mismatch repair. A significant fraction of HNPCC cases (30% or more) do not have defective DNA mismatch repair as the underlying genetic basis of their disease. If there is a strong personal or family history of HNPCC related cancers for this patient, consider microsatellite instability and IHC testing on a different tumor to further evaluate the possible role of defective DNA mismatch repair. A genetic consultation may be of benefit.			MCR
CAUTIONS:					

Performing Site Legend on Last Page of Report

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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.					
Extraction Performed?		Yes			MCR
Consultant Sarah Elizabeth Kerr MD		D Brian Dawson PhD			MCR
Report Date		14 Oct 2009 08:40			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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