

Laboratory Service Report

1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #	
SAMPLEREPORT, HNPCC	SA00046796	45	F	SA00046796	
Ordering Phys				DOB 06/10/1966	
Client Order # SA00046796	Account Information	1		Report Notes	
Collected 05/24/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE				
Printed 09/15/2012 14:52	ROCHESTER,MN 55	901			

Test	Flag	Results	Unit	Reference Value	Perfor Site
PCC Screen			REPORTED 07	/13/2012 10:26	
Microsatellite Instability, Tum	or				
Specimen		Tissue-Tumor			MC
Specimen ID		1038229			MC
Order Date		29 May 2012 08:46			MC
Reason For Referral					MC
Possible diagnosis of Her (HNPCC)/Lynch syndrome. of defective DNA mismatch	Evaluate tumor				
Method	lepair.				MC
Immunohistochemical stain	ing (THC) is a	used to determine the			Pic
presence or absence of pr MSH6 and PMS2. Lymphocyt	otein expressi	on for MLH1, MSH2,			
strong nuclear staining a		-			
controls for staining of					
A PCR based assay is used	to test for t	umor microsatellite			
instability (MSI) with th	e use of 5 mor	onucleotide repeat			
markers (BAT25, BAT26, Mo	no27, NR24, ar	nd NR21). The tumor			
tissue is classified as M		-			
or 1 out of 5 markers), o	r MSI-H (insta	ability in 2 or more			
of 5 markers tested).					
Results					MC
Tumor type: colon adenoca		of MIII1 and DMC2			
MSI: MSI-H (instability					
markers)	observed in 5	OI 3 IIIIOIMACIVE			
Interpretation					MC
These results indicate lo	ss of normal D	NA mismatch repair			
function within the tumor		_			
is frequently associated		-			
(heritable) mutation in M	_	_			
Thus, this individual and	other family	members are at			
increased risk for having	an inherited	colon cancer syndrome			
due to defective DNA mism	atch repair (H	INPCC/Lynch syndrome).			
It is important to note t					
distinguish between somat	_				
testing of MSH2 (Mayo tes		· -			
code 83723) on an additio	_				
distinguish between these	_	_			
opportunity for predictiv	e testing for	at risk ramily			
members.					

Performing Site Legend on Last Page of Report

Patient Name	Collection Date and Time	Report Status		
SAMPLEREPORT, HNPCC	05/24/2012	Final		
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^{*} Report times for Mayo performed tests are CST/CDT



Laboratory Service Report

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Patient Name SAMPLEREPORT,HNPCC	Patient ID SA00046796	Age 45	Gender F	Order # SA00046796
Ordering Phys				DOB 06/10/1966
Client Order # SA00046796	Account Information			Report Notes
Collected 05/24/2012	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE			
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Reference Test Flag Results Unit Value Site*

Due to the sensitivity of the method being used, microsatellite instability cannot be reliably detected in samples containing less than 30% tumor DNA. Samples are routinely macrodissected to enrich for tumor cells, with those less than 30% rejected from further testing.

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.

For research use only. Extraction Performed? Consultant

Melody Elizabeth Kimball 13 Jul 2012 10:23 Report Date MMR Protein, IHC Only, Tumor

Yes

Tissue-Tumor

29 May 2012 08:46

1038229

Performed

Performed

Performed

Performed

Specimen Specimen ID Order Date MLH1 IHC MSH2 IHC

Result Analysis has been completed. Refer to the Microsatellite Instability, Tumor for results and interpretation.

Reviewed By:

MSH6 IHC

PMS2 IHC

Melody Elizabeth Kimball

Release Date 13 Jul 2012 10:23 Perform

MCR

* Performing Site:

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

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT, HNPCC	05/24/2012	Final
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