MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTINGRNV,REPORT	SA00065110	17	M	SA00065110
Ordering Phys CLIENT,CLIENT				**DOB** 11/11/1996
Client Order # SA00065110	**Account Information**			**Report Notes**
Collected 01/15/2014 06:00	C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901			
Printed 01/15/2014 09:30				

Test	Flag	Results	Unit	Reference Value	Perform Site*
TP53 gene somatic mutation analysis					
RECEIVED: 01/15/2014 09:19 **REPORTED:** 01/15/2014 09:23					
Specimen Type		Peripheral blood			MCR
Final Diagnosis:					MCR

Peripheral blood, TP53 Analysis for Tumor-associated Mutations, Seqencing:

Negative. No mutations in the TP53 gene (exons 4-9) were identified.

Signing Pathologist: Melissa Tricker-Klar

B-lymphocytes were enriched from the peripheral blood prior to DNA isolation using an antibody-based magnetic bead method.
Method Summary: DNA was extracted from the sample and PCR was performed to amplify exon regions 4 to 9 of the TP53 gene. TP53 mutations were detected by Sanger sequencing of the PCR product (See Mayo Medical Laboratories Interpretive Handbook for method details).

This assay detects acquired (somatic) mutations present in exons 4-9 of the TP53 gene and associated exon splice junctions. However, mutations outside the analyzed region, or mutations present at low level or in small subclonal populations below the analytic sensitivity of the assay (approximately 20%) cannot be excluded by this method.

Although the detection of a TP53 mutation in this specimen is most likely a somatic alteration in the neoplastic cell population, a small possibility exists that this abnormality may be congenital, or germline nucleotide change (i.e. present in all cells at birth and typically inherited from a parent, rather than somatically acquired). Congenital TP53 mutations are known to cause an inherited cancer syndrome known as Li-Fraumeni syndrome. If this individual has a strong family history of cancer, consultation with a geneticist or genetic counselor may be beneficial.
Laboratory developed test.

* Performing Site:

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

* Report times for Mayo performed tests are CST/CDT

TEST SITE