

Patient ID SA00179272	Patient Name TESTING, P53CA_NORMAL	Birth Date 2004-04-04	Sex F	Age 21
Order Number SA00179272	Client Order Number SA00179272	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 13 Feb 2026 12:02		

TP53 gene somatic mutation analysis

Specimen Type:

Peripheral blood

MCR

Signing Pathologist

LAUREN SCHULTZ

MCR

Final Diagnosis:

Peripheral blood, TP53 Analysis for Tumor-associated Genetic Alterations, Sequencing:

Negative. No pathogenic genetic alterations in the TP53 gene (exons 4–9) were identified.

The negative result does not exclude the presence of a neoplastic process. Additionally, genetic alterations outside the analyzed region, present at a low level or in small subclonal populations below the analytical sensitivity of the assay cannot be excluded by this method. Correlation with clinical and other laboratory findings is recommended.

① MCR

Peripheral blood B-lymphocytes were enriched by flow cytometry to >95% purity prior to DNA isolation.

ADDITIONAL INFORMATION

Method Summary: DNA was extracted from the sample and PCR was performed to amplify exon regions 4 to 9 of the TP53 gene. The presence or absence of acquired (somatic) TP53 mutations involving exons 4 to 9 and associated splice junctions is assessed by Sanger sequencing. The analytic sensitivity of the assay is approximately 20%. However, mutations outside of the analyzed region, or mutations present at low level or in small subclonal populations cannot be excluded by this method. The reference gene transcript used for variant annotation is: GRCh37(hg19)NM_000546.4.

Indication for Test

SOB

MCR

Received: 16 Feb 2026 12:16

Reported: 16 Feb 2026 12:35

Laboratory Notes

- ① This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	Nikola Baumann Ph.D.	24D0404292