

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 6/25/1931
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

TP53 Somatic Mutation, Prognostic

ARUP test code 2013484

TP53 Somatic Mutation, Prognostic

POSITIVE*

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

TP53 Exon 4 Mutation

NEGATIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

TP53 Exon 5 Mutation

POSITIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

TP53 Exon 6 Mutation

NEGATIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
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TP53 Exon 7 Mutation

NEGATIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

TP53 Exon 8 Mutation

NEGATIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

TP53 Exon 9 Mutation

NEGATIVE

Performed By: Quest San Juan Capistrano Inc.
33608 Ortega Highway
San Juan Capistrano, CA 92675

TP53 Somatic Mutation, Interpretation

SEE NOTE

Specimen Type: LAV WB
PARAFFIN BLOCK NUMBER: NOT GIVEN

This result was reviewed and interpreted by W. Zhou, M.D.

Based on sequence analysis, R175H mutation was detected in P53 gene exon 5.

Mutations in p53 tumor suppressor gene occur in greater than 50% of adult human cancers. The p53 gene mutations usually correlate with poor outcome and early recurrence in cancer. Testing was performed on P53 exon 4-9 which account for >90% mutations in p53 gene. We cannot rule out the possibilities of mutation in other sites of the gene.

The total nucleic acid was extracted from patient's plasma, PB/BM cells or paraffin embedded tissues. PCR reactions are performed to amplify exon 4-9 of p53 gene. The PCR products are then purified and sequenced in both forward and reverse directions. All mutations, deletions and insertions detected in the p53 exons 4-9 will be reported.

This assay does not detect large deletions in the p53 gene. For (17p-) please refer to FISH assay. The sensitivity of this sequencing assay is 20% of mutant cell in the background of normal cells.

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

(* = OUT OF RANGE)

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San Juan Capistrano, CA 92675

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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
TP53 Somatic Mutation, Prognostic	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 4 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 5 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 6 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 7 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 8 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Exon 9 Mutation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TP53 Somatic Mutation, Interpretation	21-040-402678	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 21-040-402678
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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