

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 12/21/1970
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Gastrointestinal Stromal Tumor Mutation

ARUP test code 2002674

GIST Interpretation

Detected *

A mutation in the PDGFRA gene exon 18 was detected.
(c.2525A>T, p.Asp842Val)

This result has been reviewed and approved by [REDACTED]

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

Test information: Gastrointestinal Stromal Tumor Mutation

CHARACTERISTICS: This assay is designed to detect mutations in the KIT gene exons 9, 11, 13, 14, 17 or 18 and in PDGFRA gene exons 12, 14 or 18. Mutations in the KIT and PDGFRA genes may indicate responsiveness to certain targeted therapies. For specific treatment recommendations please refer to NCCN Clinical Practice Guidelines in Oncology for Soft Tissue Sarcoma (Gastrointestinal Stromal Tumor section) (www.nccn.org).

GENES TESTED: KIT gene (NM_000222.2) exons 9, 11, 13, 14, 17, and 18 and PDGFRA gene (NM_006206.4) exons 12, 14, and 18

METHODOLOGY: Genomic DNA is isolated from microscopically-guided dissection of tumor tissue and then enriched for the targeted regions of the tested genes. The mutation status of the targeted genes is determined by massively parallel sequencing (next generation sequencing). The hg19 (GRCh37) reference sequence is used as a reference for identifying genetic mutations.

LIMITATIONS: This test will not detect mutations in other locations within the KIT or PDGFRA genes, in other genes, or below the limit of detection. This test evaluates for variants in tumor tissue only and cannot distinguish between somatic and germline variants. It is possible that some large insertion/deletion mutations (especially those greater than 60bp) may not be detected. Tissue samples yielding at least 10ng are acceptable but may yield suboptimal results if yield is less than 50ng.

LIMIT OF DETECTION: 5 percent mutant allele frequency for single nucleotide variants (SNV) and small to medium sized multi-nucleotide variants (MNV) (insertions/deletions less than 60bp).

ANALYTICAL SENSITIVITY (PPA): Analytical sensitivity for all variant classes is available through this link: <http://ltd.aruplab.com/Tests/Pdf/294>.

CLINICAL DISCLAIMER: Results of this test must always be interpreted within the clinical context and other relevant data and should not be used alone for a diagnosis of malignancy. This test is not intended to detect minimal residual disease.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Block ID

C20-12226 A3

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
GIST Interpretation	21-012-400197	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Block ID	21-012-400197	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