

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: [REDACTED]
Gender: [REDACTED]
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

KIT Mutations, Melanoma

ARUP test code 2002695

Block ID

KIT Mutation, Melanoma Interpretation

Not Detected

No KIT or PDGFRA mutation was detected. This result does not rule out the possibility of a mutation below the detectable limit of the assay.

This result has been reviewed and approved by Joshua F. Coleman M.D.

Test information: KIT Mutations, Melanoma

This assay is designed to detect mutations in the KIT gene exons 9, 11, 13, 14, 17 or 18 or in PDGFRA gene exons 12, 14 or 18. Mutations in the KIT gene may indicate responsiveness to imatinib mesylate (Gleevec) or other tyrosine kinase inhibitors. Exon 9 mutations may indicate that a higher dose of Gleevec is required. Tumors with secondary mutations in KIT exon 13 or 17 are resistant to imatinib, but may be responsive to other tyrosine kinase inhibitors, like sunitinib.

Methodology:

Following tumor identification, microdissection, and DNA extraction, the regions including KIT gene exons 9, 11, 13, 14, 17, 18 and PDGFRA gene exons 12, 14 and 18 are amplified and subjected to sequencing analysis.

Limitations:

Mutations in other locations within the KIT or PDGFRA gene or in other genes will not be detected. Limit of detection for this assay is 25 percent mutant alleles.

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

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Block ID	18-274-145591	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
KIT Mutation, Melanoma Interpretation	18-274-145591	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