

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/31/1752
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

JAK2 Gene, V617F Mutation, Qualitative with Reflex to JAK2 Exon 12 Mutation Analysis by PCR

ARUP test code 2012085

JAK2 Gene, V617F Mutation, Qualitative

Positive *

There is evidence of the JAK2 (V617F) point mutation by PCR analysis.

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: JAK2 (V617F) Mutation by PCR

Patient DNA is isolated and subjected to allele-specific PCR amplification. The reaction uses an oligonucleotide primer set specific for the exon 14 of JAK2 on chromosome 9, and an allele-specific primer that specifically initiates amplification from the allele containing the point mutation in codon 617. Each assay includes a positive control reaction using DNA from the cell-line HEL with a known JAK2 (V617F) codon mutation and a negative control using DNA from placental DNA.

The JAK2 gene sequences are present in the normal human genome and serve as a control for PCR in the assay.

PCR products are analyzed by electrophoresis and UV transillumination of ethidium bromide stained gels.

Results of this test must always be interpreted in the context of morphologic and other relevant data, and should not be used alone for a diagnosis of malignancy.

The limit of detection for this assay is 2 percent mutated alleles.

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

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: 20-120-107786
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 1 of 2 | Printed: 1/29/2021 6:42:37 AM
4848

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
JAK2 Gene, V617F Mutation, Qualitative	20-120-107786	4/29/2020 12:45 00 PM	4/29/2020 1:19:55 PM	4/29/2020 1:20:00 PM

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: 20-120-107786
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 2 | Printed: 1/29/2021 6:42:37 AM
4848