

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 CALR (Calreticulin) Exon 9 Mutation Analysis by PCR with Reflex to MPL Mutation Detection**

ARUP test code 2012084

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: 20-120-107739  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
JAK2 Gene, V617F Mutation, Qualitative	20-120-107739	4/29/2020 12:42:00 PM	4/29/2020 1:18:59 PM	4/29/2020 1:20:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at:

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500 Chipeta Way, Salt Lake City, UT 84108-1221  
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Patient: Patient, Example  
ARUP Accession: 20-120-107739  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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