

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

Physician: Doctor, Example

**Patient: Patient, Example**

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

**JAK2 (V617F) Mutation by ddPCR, Qualitative**

ARUP test code 3004046

JAK2 QUAL, Source whole Blood

JAK2 QUAL Mutation by PCR

Not Detected

There is no evidence of the JAK2 V617F point mutation by ddPCR analysis. This result does not entirely exclude the possibility of a JAK2 V617F mutation below the test limit of detection.

This result has been reviewed and approved by ██████████  
██████████

INTERPRETIVE INFORMATION: JAK2 (V617F) Mutation by ddPCR, Qualitative

This assay is designed to detect the point mutation c.1849G>T (V617F) of the JAK2 gene. JAK2 V617F mutations are present in patients with myeloproliferative neoplasms.

Methodology: DNA from whole blood or bone marrow specimens is amplified in an allele-specific droplet digital PCR (ddPCR) multiplex reaction targeting the JAK2 c.1849G>T single nucleotide mutation encoding the V617F mutation. The limit of detection for this assay is 0.5 percent mutated alleles.

Limitations: Variants in genes other than JAK2 are not detected. JAK2 variants other than V617F (c.1849G>T) are not reported. Samples with JAK2 V617F mutations below the limit of detection are not reported.

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.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

| Procedure                 | Accession     | Collected        | Received         | Verified/Reported |
|---------------------------|---------------|------------------|------------------|-------------------|
| JAK2 QUAL, Source         | 23-058-114306 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| JAK2 QUAL Mutation by PCR | 23-058-114306 | 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  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 23-058-114306  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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