

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

**MPL Mutation Detection by Capillary Electrophoresis**

ARUP test code 2005545

**MPL Results**

**Detected w515 \***

A w515 mutation was detected in the MPL gene.

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

**INTERPRETIVE INFORMATION: MPL Mutation Detection by Capillary Electrophoresis**  
This test is designed to detect w515K, w515L, w515A, and S505N mutations in exon 10 of the MPL gene. Detection of MPL mutation is used for diagnosis of patients with myeloproliferative neoplasms and suggests a diagnosis of either primary myelofibrosis (PMF) or essential thrombocythemia (ET) in a subset of patients with non-mutated JAK2.

**METHODOLOGY:** DNA is isolated and amplified using allele-specific PCR for codons 505 and 515 of the MPL gene. The resulting amplicons are resolved via fragment analysis by capillary electrophoresis to detect the presence of w515K, w515L, w515A, and S505N mutations.

**LIMITATIONS:** Mutations other than those specified above, or at other locations within the MPL gene or in other genes will not be detected.

Limit of detection for this test is 5 percent mutant allele.

The results of this test must always be interpreted within the patient's clinical context and in conjunction with other relevant data. Results should not be used alone for a diagnosis of malignancy. This test is not intended to detect minimal residual disease.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US 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**

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MPL Results	23-087-150341	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: 23-087-150341  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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