

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 12/31/2019
Gender: Unknown
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 S505n

A S505N mutation was detected in the MPL gene.

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.

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
MPL Results	20-030-108801	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