

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

Physician: Doctor, Example

**Patient: Patient, Example**

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

**PML-RARA Detection by RT-PCR, Quantitative (Test on Referral as of 1/17/2023)**

ARUP test code 2002871

PML-RARA Translocation Source whole Blood

PML-RARA Translocation Not Detected

PML-RARA fusion transcripts were not detected by RT-PCR. This result does not entirely exclude the possibility of t(15;17) positive cells in the sample below the test limit of detection.

This result has been reviewed and approved by [REDACTED]

**BACKGROUND INFORMATION: PML-RARA Translocation**

This test is designed to detect t(15;17) PML-RARA, a recurrent genetic abnormality found in a subset of patients with acute myeloid leukemia. This test detects all three gene fusion patterns: type A (short, S-form, bcr-3), type B (long, L-form, bcr-1), and type B variant (variable, V-form, bcr-2).

**Methodology:**

Patient RNA is isolated, reverse transcribed into cDNA, and amplified using primers specific for the PML and RARA genes. Real time PCR is then performed to detect t(15;17). PML-RARA and ABL (control) transcripts are quantified. Results are reported as a normalized ratio of PML-RARA transcripts to ABL transcripts present in the sample.

**Limitations:**

Translocations involving other genes or gene partners will not be detected. Limit of detection for this test is 1 in 10,000 cells.

Results of this test must always be interpreted within the patient's clinical context and in conjunction with 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 US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

PML-RARA Translocation Quant 0.00000

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
PML-RARA Translocation Source	24-083-113560	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PML-RARA Translocation	24-083-113560	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PML-RARA Translocation Quant	24-083-113560	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: 24-083-113560  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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