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

Physician: Doctor, Example

Patient: Patient, Example

DOB	[redacted]/1964
Gender:	Male
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

PML::RARA Detection by RT-PCR, Quantitative

ARUP test code 3018922

PML::RARA Translocation, Source	Whole Blood
PML::RARA Translocation, Result	**Detected** *

Please note that the method of transcript quantitation at ARUP Laboratories has been updated as of 01/20/2026, and this differs from that previously reported in send-out testing to Quest Diagnostics. A conversion factor of 10,000 is suggested when comparing the results. For example, a PML::RARA transcript NCN of 0.1 at ARUP Laboratories corresponds approximately to PML::RARA NCN of 1,000 reported by Quest Diagnostics.

PML::RARA fusion transcripts were detected by RT-PCR. This indicates the presence of t(15;17) positive cells in the sample. Use of the same assay is recommended for monitoring and comparison of quantitative results over time.

This result has been reviewed and approved by [redacted]

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

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 copy number (NCN) of PML::RARA fusion transcripts to ABL transcripts present in the sample.

Limitations:
Translocations involving other genes or gene partners and uncommon alternative transcripts will not be detected.

Limit of detection for this test is 1 in 10,000 cells. Limit of quantitation is greater than or equal to 0.0005 NCN.

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, NCN	1.0000

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
PML::RARA Translocation, Source	26-013-110743	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PML::RARA Translocation, Result	26-013-110743	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PML::RARA Translocation, NCN	26-013-110743	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