ARUP LABORATORIES
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Jonathan R. Genzen, MD, PhD, Chief Medical Officer

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	[redacted]
Sex:	[redacted]
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	01/01/2017 12:34

PML-RARA Detection by RT-PCR, Quantitative

ARUP test code 2002871

PML-RARA Translocation Source	Bone Marrow
PML-RARA Translocation	**Detected** *

This result has been reviewed and approved by [redacted]

PML-RARA fusion transcripts were detected by RT-PCR. This indicates the presence of t(15;17) positive cells in the sample.

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	0.32085

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
PML-RARA Translocation Source	22-074-102633	3/15/2022 10:15 00 AM	3/16/2022 3:56:01 PM	3/28/2022 9:57:00 AM
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PML-RARA Translocation Quant	22-074-102633	3/15/2022 10:15 00 AM	3/16/2022 3:56:01 PM	3/28/2022 9:57:00 AM

END OF CHART

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