

Specimen Collected: 09-Dec-20 13:44

X-PML-RARA Translocation Quant	Result	Received: 09-Dec-20 13:44	Units	Report/Verified: 09-Dec-20 13:48	Reference Interval
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PML-RARA Translocation Whole Blood

Source

PML-RARA Translocation **Detected** * f1 i1

PML-RARA Translocation 1.00000

Quant

Result Footnote

f1: PML-RARA Translocation

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

This result has been reviewed and approved by Kristin Karner, M.D.

Test Information

i1: PML-RARA Translocation

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.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing Lab

Unless otherwise indicated, testing performed at:**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

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