

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

Physician: Doctor, Example

**Patient: Patient, Example**

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

**RUNX1-RUNX1T1 (AML1-ETO) t(8;21) Detection, Quantitative**

ARUP test code 2010138

RUNX1-RUNX1T1 Source	Bone Marrow
RUNX1-RUNX1T1 Result	Detected

RUNX1-RUNX1T1 (AML1-ETO) fusion transcripts were detected by RT-qPCR. This indicates the presence of t(8;21) positive cells in the sample.

This result has been reviewed and approved by ██████████

**INTERPRETIVE INFORMATION: RUNX1-RUNX1T1 (AML1-ETO) t(8;21) Quantitative**

This test is designed to detect and quantify RUNX1-RUNX1T1 (AML1-ETO) fusion transcripts which result from t(8;21);RUNX1-RUNX1T1, a recurrent genetic abnormality found in a subset of patients with acute myeloid leukemia.

**Methodology:**  
Patient RNA is isolated, reverse transcribed into cDNA, and amplified using primers specific for the RUNX1 and RUNX1T1 genes. Each PCR assay includes a standard curve for RUNX1-RUNX1T1 and the ABL1 control and a normalized copy number (NCN) is calculated (#RUNX1-RUNX1T1 cDNA molecules/# ABL1 cDNA molecules).

**Limitations:**  
Translocations involving other genes or gene partners will not be detected.  
Limit of detection for this test is 1 in 100,000.

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 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.

RUNX1-RUNX1T1/ABL1 Ratio	0.00021
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**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
RUNX1-RUNX1T1 Source	22-115-123342	4/25/2022 12:54:00 PM	4/25/2022 10:07:21 PM	4/30/2022 10:45:00 PM
RUNX1-RUNX1T1 Result	22-115-123342	4/25/2022 12:54:00 PM	4/25/2022 10:07:21 PM	4/30/2022 10:45:00 PM
RUNX1-RUNX1T1/ABL1 Ratio	22-115-123342	4/25/2022 12:54:00 PM	4/25/2022 10:07:21 PM	4/30/2022 10:45:00 PM

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: 22-115-123342  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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