

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** █████/1966  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

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

ARUP test code 2010138

RUNX1::RUNX1T1 Source whole Blood

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 (number of RUNX1::RUNX1T1 cDNA molecules/number of 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 U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

RUNX1::RUNX1T1/ABL1 Ratio 0.00560

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
RUNX1::RUNX1T1 Source	26-113-156426	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
RUNX1::RUNX1T1 Result	26-113-156426	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
RUNX1::RUNX1T1/ABL1 Ratio	26-113-156426	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: 26-113-156426  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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