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500 Chipeta Way, Salt Lake City, Utah 84108-1221 phone: 801-583-2787, toll free: 800-522-2787 Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex: Unknown

Specimen Collected: 11/13/2024 12:06 MST

X-CBFB::MYH11 inv(16) Detection,	Received: 11/1	L5/2024 12:07 MST	Report/Verified: 11/15/2024 12:13
Quant			MST
Procedure	Result	Units	Reference Interval
CBFB::MYH11/ABL1 Ratio	1.00000		
CBFB::MYH11 Result	Detected f1 i	11	
CBFB::MYH11 Source	Whole Blood	l	

<u>Result Footnote</u>

f1: CBFB::MYH11 Result

CBFB::MYH11 fusion transcripts (type A) were detected by RT-qPCR. This indicates the presence of inv(16)/t(16;16) positive cells in the sample.

This result has been reviewed and approved by Margaret C. Williams, M.D.

Test Information

i1:

CBFB::MYH11 Result INTERPRETIVE INFORMATION: CBFB::MYH11 inv(16) Quantitative

This test is designed to detect and quantify CBFB::MYH11 fusion transcripts (type A, D, or E) which result from inv(16)/t(16;16); CBFB::MYH11, 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 CBFB and MYH11 genes. A normalized ratio is calculated representing CBFB::MYH11 transcripts / ABL1 transcripts.

Limitations: Translocations involving other genes or gene partners will not be detected. Uncommon transcripts other than type A, D, or E will not be detected. The limit of quantitation for this test is 0.0001 (NCN).

Results of this test must always be interpreted within the patients 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.

*=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: Jonathan R. Genzen, MD, PhD
 ARUP Accession:
 24-318-900398

 Report Request ID:
 20181747

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