ARUP LABORATORIES | aruplab.com

PATIENT REPORT

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: 13-Jun-23 10:32

X-Acute Myeloid Leukemia Panel by Received: 13-Jun-23 10:34 Report/Verified: 13-Jun-23 17:27

FISH (H)

Procedure Result Units Reference Interval

FISH AML Panel See Note fl il [Normal]

EER AML Panel by FISH See Note

X-PML-RARA Translocation by FISH | Received: 13-Jun-23 10:34 Report/Verified: 13-Jun-23 17:27

Procedure Result Units Reference Interval

PML-RARA Translocation by FISH See Note f2 i2 [Normal]

EER PML-RARA Translocation by See Note f3

FISH

Result Footnote

f1: FISH AML Panel

Test Performed: Acute Myeloid Leukemia Panel by FISH (FISHAML)

Specimen Type: Bone marrow Indication for Testing: AML

RESULT

Normal FISH Result

inv(3) or t(3;3) RPN1-MECOM Fusion: not detected

Deletion 5q: not detected Monosomy 7: not detected Deletion 7q: not detected

t(8;21) RUNX1-RUNX1T1 Fusion: not detected

11p15 (NUP98) Rearrangement: not detected

11q23 (KMT2A) Rearrangement: not detected

inv(16) or t(16;16) CBFB-MYH11 Fusion: not detected

INTERPRETATION

There was no evidence of RPN1-MECOM fusion due to 3q21/3q26.2 inversion or translocation, deletion 5q31, monosomy 7, deletion 7q31, RUNX1-RUNX1T1 fusion due to translocation (8;21)(q21.3;q22), 11p15 (NUP98) rearrangement, 11q23 KMT2A (MLL) rearrangement, CBFB-MYH11 fusion due to either 16p13.1/16q22 inversion or translocation.

This analysis was performed with the AML panel probes RPN1/MECOM, D5S23/EGR1, D7Z1/D7S486, RUNX1/RUNX1T1 (Abbott Molecular), MLL (KMT2A) (CytoCell), and NUP98 and CBFB-MYH11 probes (MetaSystems). A total of 200 cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):

nuc ish(RPN1, MECOM, D5S23, EGR1, D7Z1, D7S486, RUNX1T1, NUP98, KMT2A, MYH11, CBFB, RUNX1)x2[200]

f2: PML-RARA Translocation by FISH

Test Performed: PML-RARA Translocation by FISH (FISH PML)

Specimen Type: Bone marrow Indication for Testing: APL

RESULT

Abnormal FISH Result

t(15;17) PML::RARA Fusion: DETECTED

INTERPRETATION

This analysis showed signal patterns consistent with PML::RARA fusion due to translocation

*=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: 23-164-900164

Report Request ID: 17762765 **Printed:** 14-Jun-23 12

d: 14-Jun-23 12:13

Page 1 of 2

ARUP LABORATORIES | aruplab.com

PATIENT REPORT

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

Result Footnote

f2: PML-RARA Translocation by FISH (15;17)(q24;q21) in 100/200 (50.0 percent) cells scored.

This translocation is consistent with the diagnosis of acute promyelocytic leukemia.

This analysis was performed with the PML/RARA probes (Abbott Molecular). A total of 200 cells were scored.

Cytogenomic Nomenclature (ISCN): nuc ish(PML,RARA)x3(PML con RARAx2)[100/200] EER PML-RARA Translocation by FISH Authorized individuals can access the ARUP

Enhanced Report using the following link:

Test Information

f3:

il: FISH AML Panel

INTERPRETIVE INFORMATION: AML Panel by FISH

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.

i2: PML-RARA Translocation by FISH

INTERPRETIVE INFORMATION: PML/RARA Translocation by FISH

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:

Report Request ID: 17762765

23-164-900164

Printed:

4 1 ... 00 40

14-Jun-23 12:13

Page 2 of 2