

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 2/14/1944
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Acute Myeloid Leukemia Panel by FISH

ARUP test code 2011132

FISH AML Panel

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: AML
Test Performed: FISH, AML

ABNORMAL FISH RESULT
16q22 (CBFB): rearrangement present

NORMAL FISH RESULTS
3q21.3q26.2 (RPN1/MECOM): translocation or inversion not detected
5q31 (EGR1): deletion not detected
7cen (D7Z1), 7q31 (D7S486): deletion / monosomy not detected
t(8;21)(q22;q22) (RUNX1T1;RUNX1): translocation not detected
11q23 (KMT2A; also known as MLL): rearrangement not detected

DIAGNOSTIC IMPRESSION:
Fluorescence in situ hybridization (FISH) analysis was performed with the RPN1/MECOM, EGR1, D7Z1, D7S486, RUNX1/RUNX1T1 (also known as AML1/ETO), KMT2A (MLL), and CBFB probes (Abbott Molecular). 200 interphase cells were scored for each probe combination.

This analysis showed evidence of 16q22 rearrangement involving the CBFB locus in 131/200 (65.5 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

16q22 rearrangement is a recurrent abnormality observed in myeloid disorders, including AML and MDS.

16q22 (CBFB) rearrangement resulting from either translocation or inversion of chromosome 16 is frequently seen in AML with M4 morphology (with or without eosinophilia) and is usually associated with a favorable prognosis.

Please correlate this result with clinical and other laboratory findings.

ISCN:
nuc ish(RPN1,MECOM)x2[200],
(EGR1x2)[200],(D7Z1x2,D7S486x2)[200],
(RUNX1T1x2,RUNX1x2)[200],
(KMT2Ax2)[200],
(CBFBx2)(5'CBFB sep 3'CBFBx1)[131/200]

This result has been reviewed and approved by [REDACTED],
Ph.D., FACMG

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
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 18-255-140185
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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INTERPRETIVE INFORMATION: AML Panel by FISH

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

EER AML Panel by FISH

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
FISH AML Panel	18-255-140185	9/12/2018 2:12:00 PM	9/14/2018 7:06:42 AM	9/21/2018 5:13:00 PM
EER AML Panel by FISH	18-255-140185	9/12/2018 2:12:00 PM	9/14/2018 7:06:42 AM	9/21/2018 5:13:00 PM

END OF CHART

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

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