

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: Unknown
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Acute Myelogenous Leukemia (AML) with Myelodysplastic Syndrome (MDS) or Therapy-Related AML, by FISH

ARUP test code 2002653

AML with MDS, Therapy-Related AML, FISH

See Note

(Ref Interval: Normal)

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: Suspect Acute Leukemia
Test Performed: FISH, TAML MDS

ABNORMAL FISH RESULTS

11q23 (KMT2A; also known as MLL): rearrangement present

NORMAL FISH RESULTS

5q31 (EGR1): deletion not detected
7cen (D7Z1), 7q31 (D7S486): deletion / monosomy not detected

DIAGNOSTIC IMPRESSION:

Fluorescence in situ hybridization (FISH) analysis was performed with the Therapy-Related AML/MDS Panel probes: EGR1, D7Z1, D7S486 and KMT2A (MLL) (Abbott Molecular). 200 interphase cells were scored for each probe combination.

This analysis showed evidence of 11q23 rearrangement involving the KMT2A (MLL) locus accompanied by gain of the 3' KMT2A region in 194/200 (97.0 percent) cells scored.

The remaining probes showed normal results.

KMT2A (MLL) rearrangement is a recurrent abnormality observed in myeloid disorders, including MDS and AML. In the context of therapy-related myeloid neoplasms, this finding may indicate a poor prognosis. Please correlate this result with clinical and other laboratory findings.

ISCN:
nuc ish(EGR1x2)[200], (D7Z1, D7S486)x2[200],
(5'KMT2Ax2, 3'KMT2Ax3)(5'KMT2A con 3'KMT2Ax1)[194/200]

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: AML with MDS, Therapy-Related AML, FISH

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

EER AML with MDS, Therapy-Related AML, FISH

See Note

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
AML with MDS, Therapy-Related AML, FISH	20-210-103992	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER AML with MDS, Therapy-Reltd AML, FISH	20-210-103992	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: 20-210-103992
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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