

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/19/1978
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Acute Lymphocytic Leukemia (ALL) Panel by FISH, Adult

ARUP test code 2002647

ALL Panel by FISH, Adult

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: ALL Panel
Test Performed: FISH A ALL

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

NORMAL FISH RESULTS
8q24 (MYC): rearrangement not detected
t(9;22)(q34;q11.2) (ABL1;BCR): translocation not detected
14q32 (IGH): rearrangement not detected
19p13 (TCF3): rearrangement not detected

DIAGNOSTIC IMPRESSION:
Fluorescence in situ hybridization (FISH) analysis was performed with the MYC, BCR/ABL1/ASS1 Tricolor, KMT2A (MLL), and IGH probes (Abbott Molecular), and the TCF3 (E2A) probe (Cytocell). 200 interphase cells were scored for each probe combination.

This analysis showed KMT2A (MLL) rearrangement in 123/200 (61.5 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

In the context of B-ALL, a KMT2A (MLL) translocation is generally associated with a poor prognosis. Please correlate these results with clinical and other laboratory findings in this patient.

ISCN:
nuc ish(MYCx2)[200],(ASS1x2,ABL1x2,BCRx2)[200],
(KMT2Ax2)(5'KMT2A sep 3'KMT2Ax1)[123/200],
(IGHx2)[200],(TCF3x2)[200]

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: ALL Panel by FISH, Adult

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

EER ALL Panel by FISH, Adult

See Note

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

Access ARUP Enhanced Report using the link below:

-Direct access: [REDACTED]

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
ALL Panel by FISH, Adult	20-323-128359	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER ALL Panel by FISH, Adult	20-323-128359	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