

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 1/17/1941
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Acute Lymphoblastic Leukemia (ALL) Panel by FISH, Adult

ARUP test code 2002647

ALL Panel by FISH, Adult

See Note

(Ref Interval: Normal)

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: 22-350-401908
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Test Performed: Acute Lymphoblastic Leukemia (ALL) Panel by FISH, Adult
Specimen Type: Bone Marrow
Indication for Testing: Acute Lymphoblastic Leukemia

RESULT
Abnormal FISH Result

8q24.2 (MYC) Rearrangement: not detected
t(9;22) BCR-ABL1 Fusion: DETECTED
11q23 (KMT2A) Rearrangement: not detected
14q32 (3'IGH) Deletion: DETECTED
14q32 (IGH) Rearrangement: Undetermined
19p13.3 (TCF3) Loss: DETECTED
19p13.3 (TCF3) Rearrangement: not detected

INTERPRETATION
This analysis showed signal patterns consistent with:
- BCR-ABL1 fusion due to translocation (9;22)(q34;q11.2) in 183/200 (91.5 percent) cells scored.
- partial deletion of the 3'IGH region in 169/200 (84.5 percent) cells scored. Due to this partial deletion, the translocation status of the IGH locus remains uncertain.
- 19p13.3 (TCF3) loss in 112/200 (56.0 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

B-ALL with BCR-ABL1 fusion is generally associated with an unfavorable prognosis.

Please correlate this result with clinical and other laboratory findings.

This analysis was performed with the A ALL panel probes MYC, BCR/ABL1/ASS1, IGH (Abbott Molecular), and MLL (KMT2A) and TCF3 (CytoCell). A total of 200 cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):
nuc ish(MYCx2)[200], (ASS1x2,ABL1x3,BCRx3)(ABL1 con BCRx2)[183/200], (KMT2Ax2)[200], (3'IGHx1,5'IGHx2)(3'IGH con 5'IGHx1)[169/200], (TCF3x1)[112/200]

This result has been reviewed and approved by [REDACTED]

A portion of this analysis was performed at the following location(s):
[REDACTED]

INTERPRETIVE INFORMATION: ALL Panel by FISH, Adult
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.

EER ALL Panel by FISH, Adult

See Note
Authorized individuals can access the ARUP Enhanced Report using the following link:
[REDACTED]

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
ALL Panel by FISH, Adult	22-350-401908	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER ALL Panel by FISH, Adult	22-350-401908	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:

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