

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 3/16/2004
Sex: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Ph-Like Acute Lymphoblastic Leukemia (ALL) Panel by FISH

ARUP test code 3000455

Ph-Like ALL Panel by FISH

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: Ph-Like Acute Lymphocytic Panel
Test Performed: F PHLK ALL

ABNORMAL FISH RESULTS

Xp22.33/Yp11.32 (CRLF2): gain present
1q25.2 (ABL2): rearrangement present

NORMAL FISH RESULTS

Xp22.33/Yp11.32 (CRLF2): rearrangement not detected
5q32 (CSF1R): rearrangement not detected
5q32 (PDGFRB): rearrangement not detected
9p24 (JAK2): rearrangement not detected
9q34 (ABL1): rearrangement not detected
19p13.2 (EPOR): rearrangement not detected

DIAGNOSTIC IMPRESSION:

Fluorescence in situ hybridization (FISH) analysis was performed using the CRLF2 distal/proximal, ABL2, CSF1R, PDGFRB, ABL1, EPOR (CytoCell) and JAK2 (Metasystems) probes. 200 interphase cells were scored for each probe combination.

This analysis showed evidence of:

- 3 copies of the CRLF2 locus in 73/200 (36.5 percent) cells scored. This pattern is consistent with trisomy for this locus, and suggestive of an additional copy of chromosome X. There was no evidence of a rearrangement involving the CRLF2 locus.
- a 1q25.2 rearrangement involving the ABL2 locus in 168/200 (84.0 percent) cells scored.

FISH analysis with the remaining probes showed normal results with no evidence of rearrangement involving the CRLF2, CSF1R, PDGFRB, JAK2, ABL1, or EPOR loci.

Rearrangement of ABL2 is a recurrent finding in BCR-ABL1 like B-ALL. Please correlate this result with other clinical and laboratory findings.

ISCN:

nuc ish(CRLF2x3)[73/200],
(ABL2x2)(3'ABL2 sep 5'ABL2x1)[168/200], (CSF1Rx2)[200],
(PDGFRBx2)[200], (JAK2x2)[200], (ABL1x2)[200], (EPORx2)[200]

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: Ph-Like Acute Lymphocytic

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

Unless otherwise indicated, testing performed at:

Leukemia (ALL) Panel by FISH

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

EER Ph-Like ALL Panel by FISH

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Ph-Like ALL Panel by FISH	20-351-401281	12/14/2020 5:00:00 PM	12/16/2020 12:11:59 PM	12/18/2020 7:21:00 PM
EER Ph-Like ALL Panel by FISH	20-351-401281	12/14/2020 5:00:00 PM	12/16/2020 12:11:59 PM	12/18/2020 7:21:00 PM

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: 20-351-401281
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 2 | Printed: 7/20/2022 8:31:46 AM