

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 7/14/1950
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

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

ARUP test code 3000455

Ph-Like ALL Panel by FISH

See Note (Ref Interval: Normal)
Test Performed: Ph-Like Acute Lymphoblastic Leukemia (ALL) Panel by FISH (F PHLK ALL)
Specimen Type: Bone Marrow
Indication for Testing: Ph-like ALL panel

RESULT
Abnormal FISH Result

Xp22.3/Yp11.3 (CRLF2) Rearrangement: not detected
1q25 (ABL2) Rearrangement: not detected
5q32 (CSF1R) Rearrangement: not detected
5q32 (PDGFRB) Rearrangement: not detected
9p24 (JAK2) Deletion: DETECTED
9p24 (JAK2) Rearrangement: not detected
9q34 (ABL1) Rearrangement: DETECTED
19p13.2 (EPOR) Rearrangement: not detected

INTERPRETATION
This analysis showed signal patterns consistent with:
- 9p24 (JAK2) deletion in 176/200 (88.0 percent) cells scored.
- 9q34 (ABL1) rearrangement in 168/200 (84.0 percent) cells scored.

The rearrangement partner has not been identified by this assay.

The remaining probes showed normal results.

Rearrangement of ABL1 is typically due to t(9;22) BCR-ABL1 fusion but is also a recurrent finding in BCR-ABL1-like (also known as Ph-like) B-ALL. In general, this finding is associated with poor risk.

Please correlate this result with clinical and other laboratory findings.

This analysis was performed with the PHLK ALL probes CRLF2, ABL2, CSF1R, PDGFRB, ABL1, EPOR (CytoCell) and JAK2 (MetaSystems). A total of 200 cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):
nuc
ish(CRLF2x2)[200], (ABL2x2)[200], (CSF1Rx2)[200], (PDGFRBx2)[200], (JAK2x1)[176/200], (ABL1x2)(5'ABL1 sep 3'ABL1x1)[168/200], (EPORx2)[200]

This result has been reviewed and approved by [REDACTED]

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

INTERPRETIVE INFORMATION: Ph-Like Acute Lymphocytic
Leukemia (ALL) Panel by FISH

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 Ph-Like ALL Panel by FISH

See Note

Authorized individuals can access the ARUP Enhanced Report using the following link:

[REDACTED]

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Ph-Like ALL Panel by FISH	22-334-401667	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Ph-Like ALL Panel by FISH	22-334-401667	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