

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

Chromosome Analysis, Leukemic Blood with Reflex to Genomic Microarray

ARUP test code 2007131

Chromosome Analysis, Leukemic Blood

See Note

(Ref Interval: Normal)

Test Performed: Chromosome Analysis
Specimen Type: Peripheral Blood
Indication for Testing: B-ALL

Number of cells counted: 20
Number of cells analyzed: 20
Number of cells karyotyped: 20
ISCN band level: 400
Banding method: G-Banding

RESULT
Abnormal karyotype (Female)

53,XX,+X,+4,+6,+14,+17,+18,+21[8]/46,XX[12]

INTERPRETATION

This analysis showed a hyperdiploid karyotype with gain of one copy each of chromosomes X, 4, 6, 14, 17, 18, and 21 in 8/20 (40%) cells.

The remaining cells showed a normal chromosome complement.

This result is consistent with a diagnosis of B-cell lymphoblastic leukemia. In the context of B-ALL, hyperdiploidy is associated with a favorable prognosis.

Please correlate this result with clinical and other laboratory findings.

NOTE: FISH P ALL and F PHLK ALL were performed on this sample and reported under ARUP accessions [REDACTED] and [REDACTED]. FISH results were ABNORMAL and consistent with this chromosome study.

Since this analysis revealed an abnormal result, genomic microarray analysis, which was ordered as a reflex study, will not be performed unless we are notified otherwise. To proceed with this testing, please contact ARUP Genetics Processing at (800) 242-2787 ext. 3301.

This result has been reviewed and approved by [REDACTED]

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

**INTERPRETIVE INFORMATION: Chromosome Analysis,
Leukemic Blood**

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 Chrom Analysis LKB w/Rflx to Array

See Note

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

[REDACTED LINK]

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Chromosome Analysis, Leukemic Blood	23-159-122968	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Chrom Analysis LKB w/Rflx to Array	23-159-122968	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