

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 1/8/2017
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Chromosome FISH, Interphase

ARUP test code 2002298

Chromosome FISH, Interphase See Note (Ref Interval: Normal)

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

Unless otherwise indicated, testing performed at:

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: Pre B-ALL
Test Performed: CHR FISHI

ABNORMAL FISH RESULT
t(12;21)(p13;q22) (ETV6;RUNX1): translocation present

NORMAL FISH RESULTS
1q25.2 (ABL2): rearrangement not detected
4cen (CEP4): gain not detected
5q32 (PDGFRB): rearrangement not detected
9q34 (ABL1): rearrangement not detected
t(9;22)(q34;q11.2) (ABL1;BCR): translocation not detected
10cen (CEP10): gain not detected
11q23.3 (KMT2A; also known as MLL): rearrangement / deletion not detected
12p13 (ETV6): deletion not detected
21q22 (RUNX1): amplification not detected

DIAGNOSTIC IMPRESSION:
Fluorescence in situ hybridization (FISH) analysis was performed with chromosome 4 and 10 centromere probes, BCR/ABL1/ASS1 Tricolor, ETV6/RUNX1 (also known as TEL/AML1) (Abbott Molecular), and ABL2, PDGFRB, ABL1 and KMT2A (MLL) (CytoCell) probes. 200 interphase cells were scored for each probe combination.

This analysis showed evidence of t(12;21) (ETV6-RUNX1 translocation) in 60/200 (30.0 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

In the context of B-ALL, the ETV6-RUNX1 translocation is associated with a favorable prognosis.

Please correlate these results with clinical and other laboratory findings in this patient.

Reference:
Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, Thiele J (Eds.): WHO classification of Tumours of Haematopoietic and Lymphoid Tissues. IARC: Lyon 2017.

ISCN:
nuc ish(ABL2x2)[200],
(CEP4x2)[200],(PDGFRBx2)[200],(CEP10x2)[200],
(ABL1x2)[200],(ASS1,ABL1,BCR)x2[200],
(KMT2Ax2)[200],(ETV6x2,RUNX1x3)(ETV6 con RUNX1x1)[60/200]

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: Chromosome FISH, Interphase

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 Chromosome FISH, Interphase

See Note

Access ARUP Enhanced Report using the link below:

-Direct access: [REDACTED]

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Chromosome FISH, Interphase	21-066-102454	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Chromosome FISH, Interphase	21-066-102454	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:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 21-066-102454
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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