

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 4/19/1958
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

FISH, Interphase, CD138+ Cells

ARUP test code 3002737

Chromosome FISH, Interphase

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone marrow (CD138+)
Reason for Referral: Multiple myeloma
Test Performed: FISHICD138

ABNORMAL FISH RESULTS

t(11;14)(q13;q32) (CCND1;IGH): translocation present

NORMAL FISH RESULTS

1q21 (CKS1B): gain not detected
t(4;14)(p16;q32) (FGFR3;IGH): translocation not detected
11q13 (CCND1): gain not detected
t(14;16)(q32;q23) (IGH;MAF): translocation not detected
17p13 (TP53): deletion not detected

DIAGNOSTIC IMPRESSION:

Fluorescence in situ hybridization (FISH) analysis was performed with the following MM panel probes on CD138+ sorted cells: CKS1B, TP53 (CytoCell) and IGH/FGFR3, CCND1/IGH XT, and IGH/MAF (Abbott Molecular). 100 interphase cells were scored for each probe combination.

This analysis showed an IGH/CCND1 fusion consistent with t(11;14) in 44/100 (44.0 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

In multiple myeloma, t(11;14) is generally associated with standard risk. Please correlate this result with clinical and other laboratory findings.

ISCN:
nuc ish(CKS1Bx2, TP53x2)[100], (FGFR3x2)[100],
(CCND1x3, IGHx3)(CCND1 con IGHx2)[44/100],
(MAFx2)[100]

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

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

Access ARUP Enhanced Report using the link below:



VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Chromosome FISH, Interphase	21-031-400335	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Chromosome FISH, Interphase	21-031-400335	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: 21-031-400335
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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