

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 2/7/1942  
**Gender:** Male  
**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)

Test Performed: FISH, Interphase, CD138+ Cells (FISHICD138)  
Specimen Type: Bone Marrow (CD138+)  
Indication for Testing: Lymphoma vs. ALL

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**RESULT**  
Abnormal FISH Result

t(8;14)(MYC;IGH) Fusion: DETECTED (classic and variant patterns)  
t(11;14) (IGH-CCND1) Fusion: not detected  
14q (IGH) Gain: DETECTED

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**INTERPRETATION**  
This analysis showed signal patterns consistent with:  
- IGH-MYC fusion due to translocation (8;14) (q24.2;q32) in  
59/100 (59.0 percent) cells scored. Of these, 42/100 (42.0  
percent) cells showed gain of native IGH.

The remaining probes showed normal results.

IGH/MYC translocation is a recurrent finding in B-cell lymphomas  
and other B-cell neoplasms.

Please correlate this result with clinical and other laboratory  
findings.

This analysis was performed with the probes: CEP8/MYC/IGH and  
CCND1/IGH (Abbott Molecular). A total of 100 CD138+ sorted cells  
were scored for each probe.

Cytogenomic Nomenclature (ISCN):  
nuc ish(CEP8x2,MYCx3,IGHx3-4)(MYC con  
IGHx2)[59/100],(CCND1x2)[100]

This result has been reviewed and approved by [REDACTED]

A portion of this analysis was performed at the following  
location(s):  
[REDACTED]

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

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

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

[REDACTED LINK]

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Chromosome FISH, Interphase	22-264-402341	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Chromosome FISH, Interphase	22-264-402341	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