

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

**Myeloproliferative Disorders Panel by FISH**

ARUP test code 2002360

MPD Panel by FISH

**Abnormal \* (Ref Interval: Normal)**

Test Performed: Myeloproliferative Disorders Panel by FISH (FISH MPD P)  
Specimen Type: Bone Marrow  
Indication for Testing: Chronic myeloid leukemia

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RESULT  
Abnormal FISH Result

4q12 FIP1L1::PDGFRA Fusion: not detected  
5q32 (PDGFRB) Rearrangement: not detected  
8p11.2 (FGFR1) Rearrangement: not detected  
t(9;22) BCR::ABL1 Fusion: DETECTED

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INTERPRETATION  
This analysis showed signal patterns consistent with a BCR::ABL1 fusion due to translocation (9;22)(q34;q11.2) in 185/200 (92.5 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

This finding is consistent with a diagnosis of a Philadelphia translocation-positive leukemia.

Please correlate this result with clinical and other laboratory findings.

This analysis was performed with the MPD panel probes PDGFRA (Abbott Molecular), PDGFRB, FGFR1 (CytoCell) and BCR/ABL1/ASS1 (Abbott Molecular). A total of 200 cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):  
nuc  
ish(FIP1L1,CHIC2,PDGFRA)x2[200],(PDGFRBx2)[200],(FGFR1,D8Z2)x2[200],(ASS1x2,ABL1x3,BCRx3)(ABL1 con BCRx2)[185/200]

This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: Myeloproliferative Disorders 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.

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

EER FISH MPD P

See Note

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
MPD Panel by FISH	24-109-109540	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER FISH MPD P	24-109-109540	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