

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 4/1/1974
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Myeloproliferative Disorders Panel by FISH

ARUP test code 2002360

MPD Panel by FISH

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: CML
Test Performed: FISH MPD P

ABNORMAL FISH RESULT
t(9;22)(q34;q11.2) (ABL1;BCR): translocation present

NORMAL RESULTS
4q12 (FIP1L1/CHIC2/PDGFRB): deletion / rearrangement not detected
5q33.1 (PDGFRB): rearrangement not detected

8p12 (FGFR1): rearrangement not detected

DIAGNOSTIC IMPRESSION:
Fluorescence in situ hybridization (FISH) analysis was performed with the MPD Panel probes: PDGFRA (Abbott Molecular), PDGFRB, FGFR1 (Cytocell) and BCR/ABL1/ASS1 Tricolor (Abbott Molecular). 200 interphase cells were scored for each probe combination.

This analysis showed evidence of 9;22 translocation resulting in BCR-ABL1 rearrangement in 191/200 (95.5 percent) cells scored.

FISH analysis with the remaining probes showed normal results.

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

Reference:
Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, Thiele J, Vardiman JW. (Eds.): WHO classification of Tumours of Haematopoietic and Lymphoid Tissues. IARC: Lyon 2008.

ISCN:
nuc ish(FIP1L1/CHIC2/PDGFRAX2)[200]
(PDGFRBx2)[200],
(FGFR1x2)[200],
(ASS1x2,ABL1x3,BCR3)(ABL1 con BCRx2)[191/200]

This result has been reviewed and approved by [REDACTED], MD, PhD, FACMG

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

Unless otherwise indicated, testing performed at:

INTERPRETIVE INFORMATION: Myeloproliferative Disorders Panel by FISH

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS

EER FISH MPD P

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
MPD Panel by FISH	20-010-144744	1/10/2020 9:00:00 AM	1/14/2020 2:19:01 PM	1/22/2020 10:22:00 PM
EER FISH MPD P	20-010-144744	1/10/2020 9:00:00 AM	1/14/2020 2:19:01 PM	1/22/2020 10:22:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at: