

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 7/15/1937
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Myelodysplastic Syndrome (MDS) Panel by FISH

ARUP test code 2002709

MDS Panel by FISH

See Note (Ref Interval: Normal)

Specimen Received
Specimen Type: Bone marrow
Reason for Referral: Pancytopenia with blasts on peripheral smear
Test Performed: FISH MDS P

ABNORMAL FISH RESULTS
5q31 (EGR1): deletion detected
7q31(D7S486): deletion detected
8cen (D8Z2): trisomy detected

NORMAL FISH RESULTS
20q12-q13.12 (D20S108/MYBL2): deletion not detected

DIAGNOSTIC IMPRESSION:
Fluorescence in situ hybridization (FISH) analysis was performed with the MDS panel probes EGR1, D7Z1, D7S486, D8Z2 (Abbott Molecular), and Del(20q) (Cytocell). 200 interphase cells were scored for each probe.

This analysis showed evidence of:
- deletion 5q31 involving the EGR1 locus in 154/200 (77.0 percent) cells scored,
- deletion 7q31 involving the D7S486 locus in 158/200 (79.0 percent) cells scored,
- trisomy 8 in 160/200 (80.0 percent) cells scored.

The remaining probe showed normal results.

Deletion 5q, deletion 7q and trisomy 8 are recurrent abnormalities observed in myeloid disorders. The finding of multiple abnormalities by FISH may be associated with a complex karyotype with additional abnormalities and an unfavorable prognosis. Please correlate this result with clinical and other laboratory findings.

ISCN:
nuc ish(EGR1x1)[154/200],(D7Z1x2,D7S486x1)[158/200],(D8Z2x3)[160/200],(D20S108x2,MYBL2x2)[200]

This result has been reviewed and approved by [REDACTED], Ph.D., FACMG

INTERPRETIVE INFORMATION: MDS Panel by FISH

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

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

Unless otherwise indicated, testing performed at:

EER MDS Panel by FISH

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
MDS Panel by FISH	20-027-401290	1/27/2020 11:09:00 AM	1/28/2020 11:41:09 AM	2/4/2020 3:19:00 PM
EER MDS Panel by FISH	20-027-401290	1/27/2020 11:09:00 AM	1/28/2020 11:41:09 AM	2/4/2020 3:19:00 PM

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: 20-027-401290
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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