Myelodysplastic Syndrome (MDS) Panel by FISH

Patient: [redacted] DOB: [redacted] Age: [redacted] Gender: [redacted] **Patient Identifiers:** [redacted] **Visit Number (FIN):** [redacted]	Client: [redacted] Physician: [redacted]	ARUP Test Code: 2002709 Collection Date: 10/25/2016 Received in lab: 10/31/2016 Completion Date: 11/05/2016

Interpretation

Specimen Received
Specimen Type: Bone Marrow
Reason for Referral: MDS
Test Performed: FISH, MDS P

ABNORMAL FISH RESULT
8cen (D8Z2): trisomy detected

NORMAL FISH RESULTS
5q31 (EGR1): deletion not detected
7cen (D7Z1),7q31(D7S486): deletion / monosomy not detected
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 trisomy 8 in 173/200 (86.5 percent) cells scored.

Trisomy 8 is a recurrent abnormality observed in myeloid disorders. Please correlate this result with clinical and other laboratory findings.

The remaining probes showed normal results.

The chromosome analysis (16-299-402002) showed trisomy 8 in 4/20 (20%) cells and trisomy 8 with trisomy 19 in 16/20 (80%) cells, with no evidence of the cell line with trisomy 8 and monosomy 7 observed in the previous chromosome analysis (16-146-401296).

ISCN:
nuc ish(EGR1x2)[200],(D7Z1x2,D7S486x2)[200],
(D8Z2x3)[173/200],(D20S108x2,MYBL2x2)[200]

This result has been reviewed and approved by [redacted],
Ph.D., FACMG
Electronic Signature

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JULIO C. DELGADO, MD, MS | Director of Laboratories

Chart continues on following page(s)

Patient: | **Date of Birth:** | **Gender:** | **Physician:**
Patient Identifiers: | **Visit Number (FIN):**

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

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