Multiple Myeloma Panel by FISH

Patient: [redacted] DOB: [redacted] Age: 51 Sex: M **Patient Identifiers:** [redacted] **Visit Number (FIN):** [redacted]	Client: [redacted] Physician: [redacted]	ARUP Test Code: 3002063 Collection Date: 08/29/2023 Received in lab: 08/31/2023 Completion Date: 09/04/2023

Interpretation

Test Performed: Multiple Myeloma (MM) Panel by FISH (FISHMMP)
Specimen Type: Bone Marrow (CD138+)
Indication for Testing: Myeloma

RESULT
Normal FISH Result

1q (CKS1B) Gain: not detected
t(4;14) (IGH-FGFR3) Fusion: not detected
9p (JAK2) Gain: not detected
11q (CCND1) Gain: not detected
t(11;14) (IGH-CCND1) Fusion: not detected
t(14;16) (IGH-MAF) Fusion: not detected
t(14;20) (IGH-MAFB) Fusion: not detected
17p (TP53) Deletion: not detected

INTERPRETATION
There was no evidence of gain of CKS1B at 1q21, IGH-FGFR3 fusion due to t(4;14)(p16;q32), IGH-CCND1 fusion due to t(11;14)(q13;q32), IGH-MAF fusion due to t(14;16)(q32;q23), IGH-MAFB fusion due to t(14;20)(q32;q12), gain of chromosomes 9 or 11, or TP53 deletion.

This analysis was performed with the MM panel probes CKS1B, TP53 and IGH/MAFB (CytoCell), JAK2 (MetaSystems), and IGH/FGFR3, CCND1/IGH, and IGH/MAF (Abbott Molecular). A total of 100 CD138+ sorted cells were scored for each probe.

Cytogenomic Nomenclature (ISCN):
nuc ish(CKS1B,FGFR3,JAK2,CCND1,IGH,MAF,TP53,MAFB)x2[100]

This result has been reviewed and approved by [redacted]

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

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

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