

**CorePath ID: SM-25U-1123**

Collected: 07/16/2025

Received: 07/17/2025

Reported: 07/22/2025

Tissue: Bone Marrow

Clinical Indication: Monoclonal gammopathy; Multiple myeloma not having achieved remission

## SUMMARY REPORT

### FINAL MORPHOLOGICAL DIAGNOSIS (BM-25U-1123)

**Bone Marrow, Core Biopsy, Clot Section, Touch Imprints, and Aspirate:**

- ~1% Polyclonal Plasma Cells (See Comment)
- No Dysplasia is Identified
- Mildly Hypocellular Bone Marrow (20% Cellular) with Complete Trilineage Hematopoiesis
- Iron Stores are Adequate

**Peripheral Blood (CBC Only Dated 7/16/2025):**

- Normocytic Anemia (HGB 13.6 g/dL; MCV 94 fL)
- Mild Leukopenia (WBC 4.6 K/uL; ANC 3.0 K/uL; ALC 1.4 K/uL)
- Normal Platelet Count (Platelets 198 K/uL)

### FLOW CYTOMETRIC DIAGNOSIS (SR-25U-1121)

No Abnormal Hematolymphoid Populations are Identified

No Clonal Plasma Cells or Increase in Blasts are Identified

### CYTOGENETICS DIAGNOSIS (CG-25U-1214)

Chromosome analysis was not possible due to a complete lack of mitotic cells in all cultures harvested separately.

### FISH DIAGNOSIS (FH-25U-1213)

All the probes in the multiple myeloma panel showed NORMAL signal patterns.

## COMMENTS

**Clinical History:** [REDACTED] has a clinical history of multiple myeloma stage III in 5/2024. Has been treated with significant drop in paraprotein and being evaluated for autologous bone marrow transplant. A re-staging biopsy is done.

No residual plasma cell dyscrasia is detected by morphology or the accompanying flow cytometry study. FISH for myeloma is normal.