

# Laboratory of Hematology & Flow Cytometry

## Comprehensive Diagnostic Report

### Patient: AML Case

Age: 38 years    Gender: Female

### CBC Results:

Test	Result	Reference Range
WBC	22,000 / $\mu$ L	4,000 – 10,000
RBC	3.0 $\times 10^6$ / $\mu$ L	4.2 – 5.4
Hemoglobin	9.0 g/dL	12 – 16
Hematocrit	27 %	36 – 46
MCV	90.0 fL	80 – 100
MCH	30.0 pg	27 – 33
MCHC	33.3 g/dL	32 – 36
Platelet	30,000 / $\mu$ L	150,000 – 450,000
RDW	17 %	<15
Blast cells	~90 %	0 %

### Flow Cytometry Findings:

Positive: CD45 (dim), CD34, HLA-DR, MPO, CD13, CD33, CD117

Negative: CD10, CD19, CD22, CD3, CD7

**Interpretation:** Consistent with AML with myeloid differentiation. Presence of Auer rods supports myeloid lineage.

**Final Diagnosis:** Acute Myeloid Leukemia (AML, NOS – myeloblastic type)