



Booking Date 16/09/2023

Patient ID 102309190022

Sample Date 21/09/2023

Name: Ms. MAMTA

Age: 48 years

Sex: F

Barcode: 011648684

Flow Cytometry Leukemia Basic Panel

Clinical History: Not provided

Specimen Details: Received whole blood in EDTA, collected on 16/09/2023 at 16:59 hrs. Whole blood (EDTA) TLC – 2,08,780 cells/ul.

METHODOLOGY

Multicolor flow cytometry using CD45 vs side scatter gating.
Instrument/Software: BD FACS Lyric/ FACSuite (Version 1.5).
Cell Preparation Method: Stain-Lyse-Wash

DIAGNOSIS

Immunophenotyping reveals 0.85% blasts of myeloid phenotype in the bone marrow sample examined.
Smear (made from sample provided) shows <2.0% blasts with marked leukocytosis with shift to left suggestive of Myeloproliferative Neoplasm? Chronic Myeloid Leukemia—chronic phase.

Comment: 1. Correlation with clinical profile and bone marrow aspiration/biopsy morphology for blast percentage.
2. Cytogenetics for t(9;22) & molecular studies for BCR-ABL1 fusion transcript.

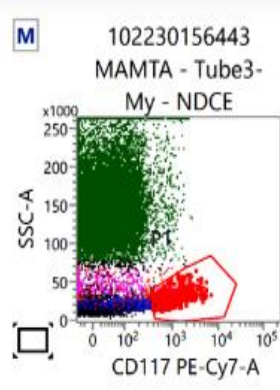
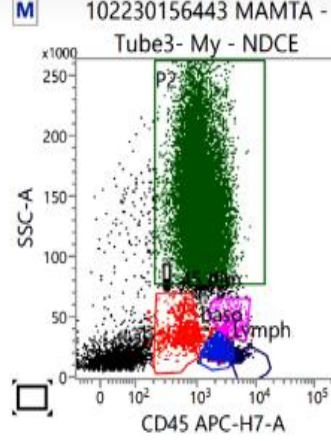
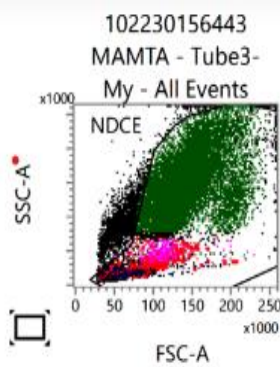
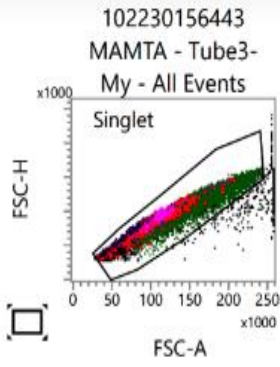
IMMUNOPHENOTYPING RESULT

Immunophenotypic analysis on CD45 vs. side scatter reveals 0.85% blasts that exhibit a CD45 dim expression.
The blasts depict a moderate CD117, CD13, CD33, HLA-DR.
Blasts are negative for cytoplasmic MPO.
Aberrant expression moderate positivity for CD7 is seen in subset.
Rest all markers are negative.

IMMUNOPHENOTYPING RESULT

| Markers | Intensity | Interpretation |
|-------------------------|-----------------|--------------------------|
| B- Cell Markers | | |
| CD19 | NA | Negative |
| CD20 | NA | Negative |
| CD10 | NA | Negative |
| CyCD79a | NA | Negative |
| SCD22 | NA | Negative |
| T- Cell Markers | | |
| CD3 | NA | Negative |
| CD5 | NA | Negative |
| CD7 | Moderate | Positive (Subset) |
| CyCD3 | NA | Negative |
| Myeloid markers | | |
| CD13 | Moderate | Positive |
| CD33 | Moderate | Positive |
| MPO | NA | Negative |
| Immature Markers | | |
| HLA-DR | Moderate | Positive |
| CD34 | NA | Negative |
| CD117 | Moderate | Positive |
| TDT | NA | Negative |

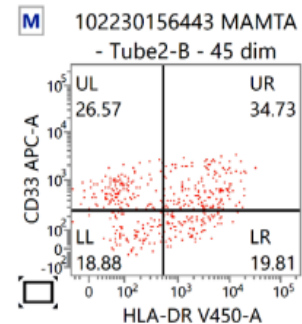
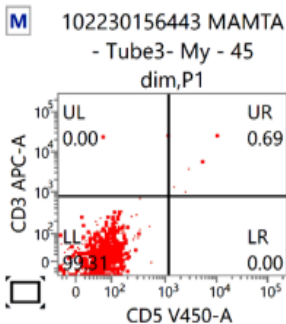
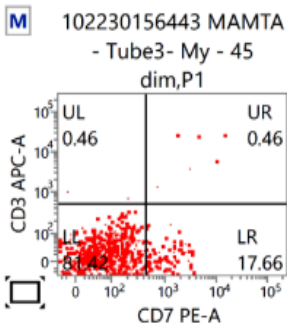
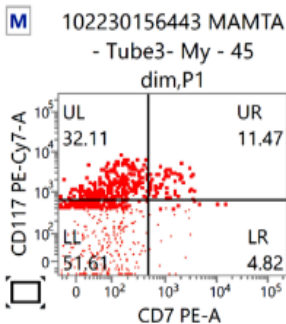
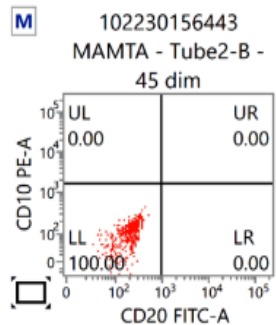
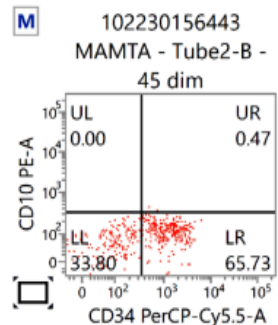
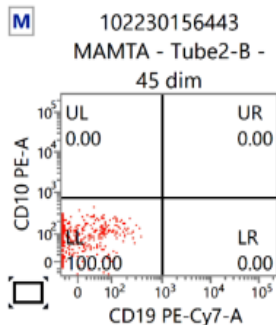
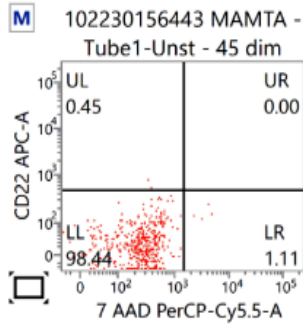
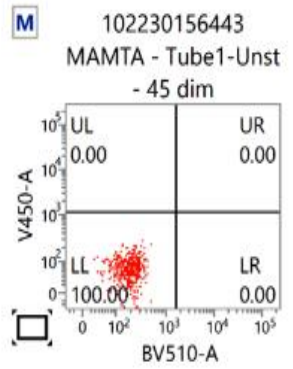
FLOW CYTOMETRY RESULT



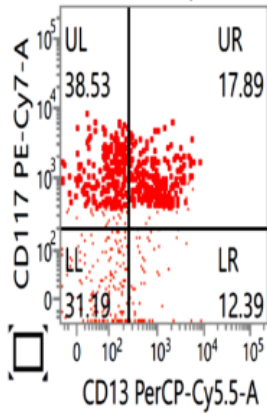
Statistics

Sample ID (Tube1-Unst): 102230156443 MAMTA
Acquisition Date (Tube1-Unst): 19-09-2023

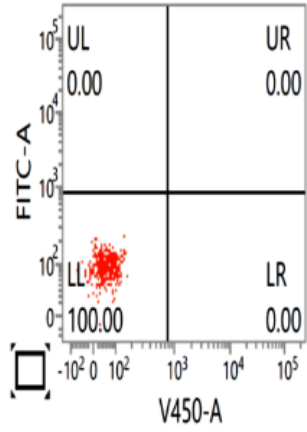
| Name | Events | % Total | % Parent | % Grandparent |
|----------------------|--------|---------|----------|---------------|
| Tube3- My:All Events | 30,000 | 100.00 | *** | *** |
| Tube3- My:Lymph | 187 | 0.62 | 0.68 | 0.63 |
| Tube3- My:45 dim | 436 | 1.45 | 1.59 | 1.48 |
| Tube3- My:P1 | 427 | 1.42 | 1.56 | 1.45 |
| Tube3- My:baso | 937 | 3.12 | 3.42 | 3.18 |



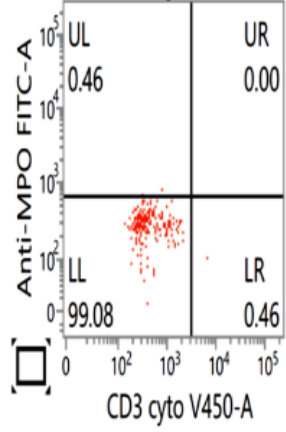
M 102230156443
MAMTA - Tube3- My
- 45 dim,P1



M 102230156443 MAMTA -
Tube5- Unst Cyto - 45
dim



M 102230156443 MAMTA
- Tube6- Cyto - 45 dim



M 102230156443
MAMTA - Tube6-
Cyto - 45 dim

