



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.

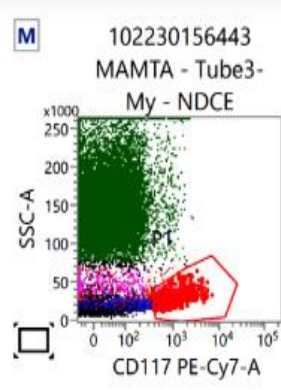
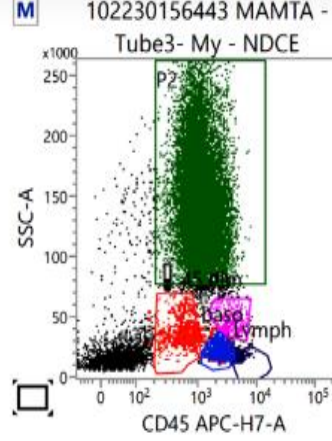
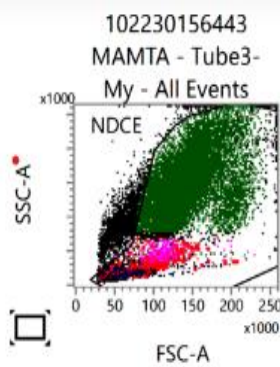
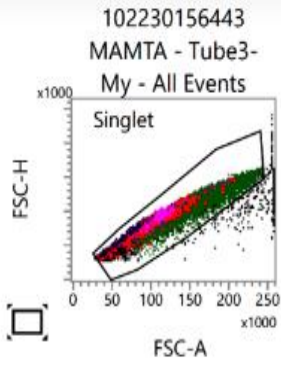
IMMUNOPHENOTYPING RESULT

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

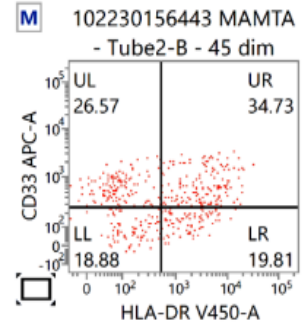
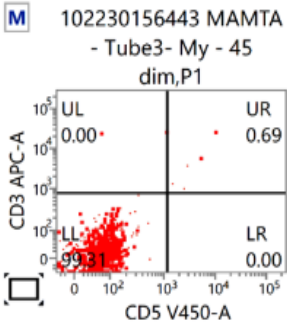
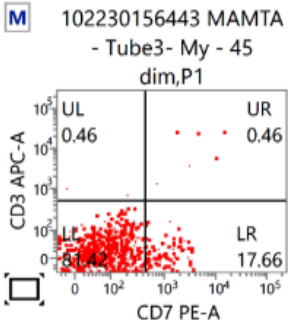
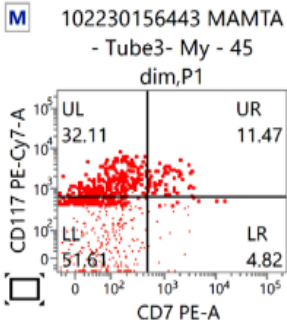
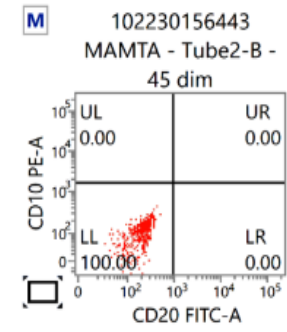
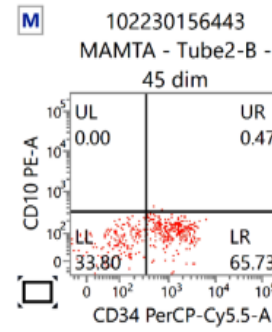
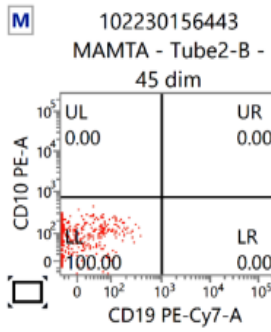
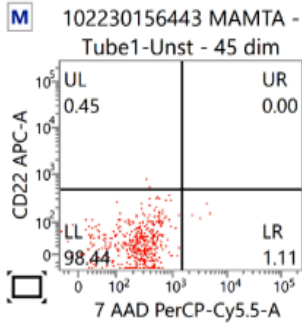
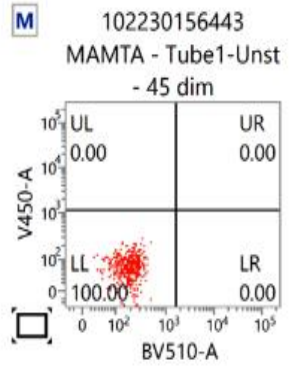
FLOW CYTOMETRY RESULT



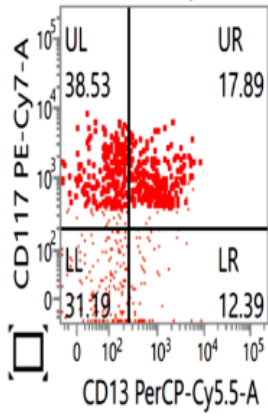
Statistics

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

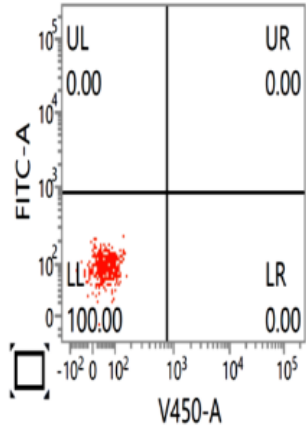
Name	Events	% Total	% Parent	% Grandparent
Tube3- My:All Events	30,000	100.00	***	***
Tube3- My:Lymph	187	0.62	0.68	0.63
Tube3- My:45 dim	436	1.45	1.59	1.48
Tube3- My:P1	427	1.42	1.56	1.45
Tube3- My:baso	937	3.12	3.42	3.18



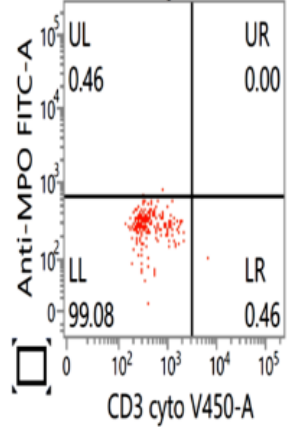
M 102230156443
MAMTA - Tube3- My
- 45 dim,P1



M 102230156443 MAMTA -
Tube5- Unst Cyto - 45
dim



M 102230156443 MAMTA
- Tube6- Cyto - 45 dim



M 102230156443
MAMTA - Tube6-
Cyto - 45 dim

