

PATIENT NAME	RAJESH WATGAONKAR	PIN No.	060325122440
AGE	65 Years	TIN No.	060325180604
SEX	Male	COLLECTION DATE, TIME	05 Mar 2025, 15.30
REF. DOCTOR	Dr	RECEIVING DATE, TIME	06 Mar 2025, 17.30
LOCATION	HYDERABAD	REPORTING DATE, TIME	09 Mar 2025, 19.30
CLIENT	SAGEPATH LABS	SAMPLE TYPE	WB- EDTA, Heparin

Chronic Lympho Proliferative Disease Panel (CLPD) by Flow Cytometry

Clinical Details - NA			Specimen – Peripheral Blood				
Flow Cytometry instrument - BD FACSCanto II			Software – BD FACS Diva				
Panel – CLPD			Sample showed TLC – 9,400 cells/ μ L				
Cell Preparation Method - Stain-Lyse-Wash			Gating Strategy (ies) – FSC Vs SSC / SSC Vs CD45 / SSC Vs CD19				
Peripheral Blood counts:							
WBC count	9.4x10 ³ / μ L	RBC count	4.31x10 ⁶ / μ L	Hemoglobin	13.6 g/dL	Haematocrit	43.3%
MCV	101 fL	MCH	31.6 pg	MCHC	31.4 g/dL	Platelets	131x10 ³ / μ L
Peripheral blood smear examination – RBCs – Macrocytosis, Hypochromia. Platelets – Mild Thrombocytopenia. WBCs – Lymphocytosis with prominence of atypical cells.							
Lymphocytes		48.0%	Monocytes		5.0%	Neutrophils	45.0%
Eosinophils		2.0%	Basophils		00%		
Flow Cytometry Immunophenotyping – Flow cytometric analysis shows an abnormal cell population identified in Lymphocytic (CD45 Moderate region with low side scatter). These gated B-Lymphoid cells constituting 27.0% of all viable cell populations. It showed following immunophenotypes expression used in the panel –							
Moderate expression		CD45, CD19, CD200, HLA-DR, CD22					
Dim expression		CD20, CD5, CD49d, Lambda					
Subset expression		CD23, CD11c					
Negative expression		CD10, CD79b, FMC-7, Kappa, CD34, CD38, CD25, CD103, CD123					

CONTINUED...

PATIENT NAME	RAJESH WATGAONKAR	PIN No.	060325122440
AGE	65 Years	TIN No.	060325180604
SEX	Male	COLLECTION DATE, TIME	05 Mar 2025, 15.30
REF. DOCTOR	Dr	RECEIVING DATE, TIME	06 Mar 2025, 17.30
LOCATION	HYDERABAD	REPORTING DATE, TIME	09 Mar 2025, 19.30
CLIENT	SAGEPATH LABS	SAMPLE TYPE	WB- EDTA, Heparin

Chronic Lympho Proliferative Disease Panel (CLPD) by Flow Cytometry

Gated population		Intensity	Interpretation
01	CD45	MODERATE	POSITIVE
B-Lymphocytic antigens			
02	CD19	MODERATE	POSITIVE
03	CD10	—	NEGATIVE
04	CD20	DIM	POSITIVE
05	Kappa	—	NEGATIVE
06	Lambda	DIM	POSITIVE
07	CD22	MODERATE	POSITIVE
08	CD23	SUBSET	POSITIVE
09	CD79b	—	NEGATIVE
10	CD200	MODERATE	POSITIVE
11	FMC-7	—	NEGATIVE
12	CD25	—	NEGATIVE
13	CD123	—	NEGATIVE
14	CD103	—	NEGATIVE
15	CD49d	DIM	POSITIVE
T-Lymphocytic antigens			
16	CD5	DIM	POSITIVE
Non-lineage specific antigens			
17	CD38	—	NEGATIVE
18	CD34	—	NEGATIVE
19	HLA-DR	MODERATE	POSITIVE
Myeloid antigens			
20	CD11c	SUBSET	POSITIVE

Final Impression:

The scatter parameters and antigen expression profile as studied by Flow Cytometry of the sample are suggestive of **CHRONIC B-LYMPHOCYTIC LEUKEMIA (B-CLL).**

Kindly Correlate with clinical details, cytogenetic and other haematological parameters.

END OF THE REPORT