

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

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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