Pathkind Labs

Client

Gurugram

Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhyog Vihar Ph-IV, Gurugram - 122015

Processed By

Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhyog Vihar Ph-IV, Gurugram - 122015

Name	:	**Mr. FC34**	Billing Date	:	07/07/2023 12:23:58
Age	:	60 Yrs	Sample Collected on	:	10/07/2023 10:01:31
Sex	:	Male	Sample Received on	:	10/07/2023 11:02:13
P. ID No.	:	P1000100012774	Report Released on	:	19/07/2023 19:49:48
Accession No	:	**10002304830**	Barcode No.	:	10002304830-01
Referring Doctor	:	Self			
Referred By	:		Ref no.	:	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit

HAEMATOLOGY

 # Flowcytometry CLL MRD

Sample: B.Marrow Heparinized

MRD Analysis done by Flow Cytometry

Markers used are CD45, CD19, CD20, CD10, CD5, CD38, CD23, CD200, CD43, Kappa, Lambda and FMC-7

CLINICAL DETAILS: CLL on treatment

Previous Immunophenotype: Not known

SPECIMEN: Bone marrow sample showed TLC = 24,300 cells/µl.

FLOW CYTOMETRY ANALYSIS:

Instrument / Software: Beckman coulter Navios/ Kaluza software 2.1.3

Cell Preparation Method: Lyse - Wash -Stain - Wash

Gating strategy: SSC Vs CD45, SSC Vs CD19, and FSC Vs SSC for gating viable cells

Total events acquired = 781743 cells / tube

CD19 positive events= 14688 (1.8 % of stage 1, Stage 2 hematogone and mature B cell. No LAIP noted)

Impression: CLL MRD negative

Comment: The samples was run on BC Navios 10 color flow cytometer as per the standardized international protocol. Investigation should be interpreted understanding the limitation of the sample quality and various statistical parameters. Please correlate with previous hematological and immunophenotypic reports

Comment: First pull bone marrow aspirate is recommended sample for MRD testing as subsequent pulls may show hemodilution. Flow cytometric detection (FCM) of MRD is based on variation from normal maturation pattern and the identification of immunophenotypic combinations expressed on leukemic cells but not on normal hematopoietic cells -Leukemia

** End of Report**

Dr. Aarti Khanna Nagpal

DNB (Pathology)

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