

Master ARYAMAN PAUL

Age: 9 Yrs

Sex: Male

Lab No : 10233099

Permanent ID :

Reference :



Registered On 12/07/2023 15:40:02

Collected On 12/07/2023 15:41:36

Authenticated On 13/07/2023 20:54:00

FLW/23-2250

Minimal Residual Disease (MRD) for B-ALL

Clinical history	K/C/O B-acute lymphoblastic leukemia
Specimen	Bone Marrow
Instrument software	BD FACS LYRIC/BD FACS SUITE
Gating strategy	10 colour FCM using CD 45 gating.
Cell preparation method	Stain - Lyse - Wash
Number of Events Acquired	2000000
FSC SSC Viable events	1903295

Descriptive summary:

Flow cytometric immunophenotypic analysis of the bone marrow was done on CD45/side scatter plots. A total of 20 lac events were acquired. Populations of normal lymphocytes and granulocytes are seen. Sample shows partial haemodilution.

CD19 gating and further hierarchical analysis shows predominantly normal mature B-cells and few plasma cells.

Minimal residual disease is absent.

IMPRESSION: Flow cytometry analysis does not show evidence of minimal residual disease

Limit Of Detection (LOD) 0.0011 %

Limit Of Quantification (LOQ) 0.0026 %

Note: In the above MRD assay for calculation of limit of detection (LOD) a threshold of 20 events is used and for calculation of limit of quantification (LOQ) a threshold of 50 events is used.

MRD results are to be correlated with the clinical details, diagnostic immunophenotype and cytogenetic profile of the patient. MRD can be used as an independent prognostic factor for the patient, however its role for therapeutic decisions is to be based on the treatment protocol being used for the patient.

A single 10-colour panel is used for the B-MRD assay which includes CD34, CD38, CD45, CD19, CD10, CD20, CD73, CD86, CD123 and CD22.

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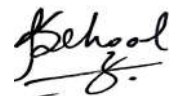
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*** End of Report ***



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