

Case ID : 25010013692
 Patient Name : Mr. SHAKIL SARANG
 Age/DOB/Sex : 44 Years / / Male
 Hospital Name : Dr Fahad Afzal Clinic, Mumbai
 Physician Name : DR FAHAD AFZAL
 Registration On : 23-Jan-2025 15:37
 Collection On : 22-Jan-2025 00:00
 Reported On : 24-Jan-2025 20:10
 Process AT : CORE-Gurugram
 Ref ID :
 Sample Type : Bone Marrow
 Report Status : Interim

hemaCORE



MC-2256

UNIQUE PATIENT ID : 353871

TEST NAME

AML MRD

SPECIMEN INFORMATION

Received bone marrow in EDTA & heparin, collected on 22/01/2025. Bone marrow (EDTA) TLC shows:- 7,140 cells/ul.

CLINICAL HISTORY

Known case of JAK-2 positive Myeloproliferative neoplasm (10.7% myeloblasts).

Time point : Not provided.

METHODOLOGY

CD markers: 12 color 2 Tube panel using CD45, CD34, CD117, CD13, CD33, CD14, CD64, CD36, CD38, CD19, CD7, CD56, HLA-DR, CD123, CD11b, CD15, CD71.

Multicolor Flow Cytometry using CD45 vs CD34/CD117 gating.

Instrument/Software: BD FACSLyric/ FACSuite (Version 1.5).

Cell Preparation Method: Bulk lyse—Stain –Wash

IMPRESSION

Positive for AML MRD 2.16% of total viable CD45 positive cells.

Blasts show moderate CD34, CD117, CD123, CD38 (Heterogeneous), HLA-DR, CD13, CD33, dim CD45.

(Reporting of AML MRD is done as per current Recommendations from published consensus document from European leukemia Net MRD working party -2021)

IMMUNOPHENOTYPING RESULT

Total cells acquired : 18,25,208

Viable Events: 15,48,681

CD45 gated events: 12,78,685

Abnormal events: 27,617

Residual blasts : 2.16%

Blasts show

INTENSITY	MARKERS
Dim	CD45
Moderate	CD34, CD117, CD123, CD38 (Heterogeneous), HLA-DR, CD13, CD33
Bright	-
Others	-

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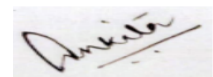
COMMENTS

- Diagnostic immunophenotyping was done at outside institution, done on 16/12/2024. Diagnostic LAIP— CD34, CD38 (Moderate to negative), CD7 (Dim-small subset), CD56 (Bright to negative), CD13, CD33, CD117, CD123, HLA-DR, CD36 (subset).
- MRD results are to be correlated with clinical findings, complete blood counts, peripheral blood smear, bone marrow examination, cytogenetics and molecular markers (if clinically indicated).
- The viability of the samples as determined by 7AAD methodology is ~84.23%.
- '1st pull' bone marrow sample is recommended to prevent hemodilution.
- Limit of quantification (LOQ) of this test: 0.1%

Disclaimer :This test is lab developed test in the Flow cytometry department and its performance characteristics determined by CORE diagnostics Laboratories.

Pending Services

Bone Marrow Biopsy with Special Stain
Peripheral Smear & Bone Marrow Aspirate



Dr. Ankita Jaiswal
MD, PDCC, Reg. No. HN17104



Scan to Connect

If you have any questions about this report or would like to have a conversation about the test results, please feel free to reach out to us at

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2. The test results relate specifically to the sample received in the lab and are presumed to have been generated and transported per specific instructions given by the physicians/laboratory.
3. The reported results are for information and are subject to confirmation and interpretation by the referring doctor.
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