

Patient ID 321	Patient Name TESTRNV, IMPLEMENTATION	Birth Date 1968-02-19	Gender F	Age 52
Order Number X100344219	Client Order Number X100344219	Ordering Physician UNKNOWN, PROVIDER	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 02 Feb 2021 11:00		

Monocyte Repartition by CD14/CD16,B

Final Diagnosis

1 MCR

Peripheral blood, flow cytometric immunophenotyping:

Classical monocytes (MO1) = 96.1%. See comment.

Comment:

The MO1 fraction is increased. Typically, an expanded MO1 fraction has been seen in patients with chronic myelomonocytic leukemia (CMML) (Selimoglu-Buet D. et al, Blood 2015; 125: 3618–3626; Patnaik MM. et al, Blood Cancer J 2017; 7: e584; Pophali PA. et al, Blood Cancer J 2019; 9: 65). However, it is not diagnostic of CMML. It can be seen in patients with other myeloid neoplasms (such as myelodysplastic syndrome, myeloproliferative neoplasm, myelodysplastic/myeloproliferative neoplasm, not otherwise specified), or in reactive conditions. Correlation of these flow cytometry results with bone marrow aspirate and biopsy findings, clinical history and other laboratory features is required for a definitive diagnosis. If desired, we can provide diagnostic services as part of a hematopathology consultation. Please contact the signing pathologist at 1–800–533–1710 if you have further questions regarding these analyses.

Of note, this test is not intended for diagnosing acute myeloid leukemia (AML). If there is a clinical concern for AML, please order LCMS/Leukemia/Lymphoma, Phenotype.

Monocyte cell analysis was performed with antibodies to the following antigens: CD3, CD7, CD14, CD16, CD24, CD33, CD45, and CD56.

Quality Assessment: Specimen received within validated guidelines.

Reviewed by: SHANDA VOELTZ

% Monocytes of WBC

9.0 %

MCR

Reference Value
1.0–6.6

MO1 (Classical Monocytes)

 96.1 %

MCR

Reference Value
<94.0

Abn

Received: 03 Feb 2021 11:12

Reported: 03 Feb 2021 11:28

Laboratory Notes

- 1 This test was developed using an analyte specific reagent. Its performance characteristics were determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292