



Patient ID SA00141375	Patient Name ATLAS REPORT, NORMAL	Birth Date 2000-01-01	Gender M	Age 21
Order Number SA00141375	Client Order Number SA00141375	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 12 Jan 2021 06:00		

Plasma Cell Proliferation, Marrow

Final Diagnosis

1 MCR

Bone marrow, flow cytometric immunophenotyping:

1. Plasma cells: No monotypic.

Comment:

Abnormal plasma cells may be difficult to detect by flow cytometry due to sampling bias and antigen loss in vitro. The lack of detectable plasma cells and/or the detection of only normal (polytypic) plasma cells does not exclude a diagnosis of a plasma cell proliferative disorder. Monotypic (clonal) plasma cells are detected by immunoglobulin light chain restriction, surface immunophenotype, and DNA content. If present, the light chain expressed by the clonal plasma cells is indicated. The percentage of monotypic plasma cells estimated by flow cytometry is affected by specimen processing and antigen loss with specimen aging. Manual differential counting remains the accepted standard for determining the bone marrow plasma cell percentage. Patients treated with therapeutic antibodies may interfere with this assay's sensitivity.

Method:

Plasma cell analysis was performed with antibodies to the following antigens: CD19, CD38, CD45, CD138, kappa and lambda cytoplasmic immunoglobulin light chains and DAPI.

Reviewed by: SHANDA VOELTZ

Monotypic Plasma Cells:

MCR

None detected.

Reference Value
None detected.

Received: 12 Jan 2021 13:11

Reported: 12 Jan 2021 13:27

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