MAYO CLINIC LABORATORIES

1-800-533-1710

HLLFH

Hematologic Disorders, Leukemia/Lymphoma; Flow Hold, Varies

Patient ID	Patient Name		Birth Date	Gender	Age
SA00002935	ENHANCEDREP, VLD20150821A0004		1981-01-01	M	34
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00002935	SA00002935	CLIENT, CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		20 Aug 2015 12:00			

Heme Leukemia/Lymphoma; Flow Hold V

Final Diagnosis

(1) MCR

Bone marrow, flow cytometric immunophenotyping:

Cellular bone marrow specimen with increased myeloid lineage blasts, 5%.

Comment:
There is an increase in myeloid-lineage blasts that, by this analysis, are quantitatively insufficient to warrant an unequivocal diagnosis of acute myeloid leukemia. Blast cell percentages estimated by flow cytometry are affected by specimen processing and gating and, therefore, may differ significantly from those estimated by morphologic review. The differential diagnosis includes acute myeloid leukemia, a myelodysplastic syndrome, a myeloproliferative neoplasm, a treated or recurrent acute leukemia, or sampling bias.

Correlation of the flow cytometry results with the 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.

Reviewed by: RYAN RITZER 8/24/2015 9:15 AM

Special Studies

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%Lymphs: 10%

Results:
Blasts: Increased
Express: CD34, CD13, CD33, CD117 (partial), HLA-DR.
Do not express: CD19, CD10, CD45.
Estimated size (by SSC/CD45): 5%

B-cells: No monotypic; normal expression pattern of CD19, CD10, surface kappa and lambda.

T-cells/NK-cells: No aberrant phenotype by CD3 and CD16.

Quality assessment: Specimen received within validated guidelines.

Microscopic Description

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A submitted Wright-Giemsa slide and a Wright-Giemsa-stained slide prepared from the flow cytometry specimen are examined.

Flow Cytometry Testing

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Performed

Received: 21 Aug 2015 13:41 **Reported:** 24 Aug 2015 09:15

Laboratory Notes

(1) Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It 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