

Laboratory Service Report

1-800-533-1710

Patient Name VALIDATIONSOFT,PCPROREPORT	Patient ID SA00061008	Age 52	Gender M	Order # SA00061008
Ordering Phys CLIENT,CLIENT				DOB 11/11/1960
Client Order # SA00061008	Account Information			Report Notes
Collected 08/25/2013 00:00	C7028846-DLMP Rochester SDSC 2 - Client Support			
Printed 10/15/2013 14:25	Rochester, MN 55901			

Test	Flag	Results	Unit	Reference Value	Perform Site*
Plasma Cell Proliferation, Marrow RECEIVED: 08/26/2013 15:19 REPORTE Monotypic Plasma Cells: Result:Monotypic kappa plas Supplemental PDF Report ava	sma cells pre	See Below		None detected.	MCR
<pre>https://test.mmlaccess.com/ Monotypic PC per Total Events Monotypic Plasma Cells DNA Flo Monotypic Plasma Cells DNA Plo Polytypic PC per Total Events Polytypic PC per Total Events Polytypic PC per All Plasma Ce Final Diagnosis Bone marrow, flow cytometri 1. Plasma cells express: n immunoglobulin light chains express: CD19 or CD45. Comment: Plasma cells, (monoclonal/n polyclonal/polytypic) are of chain restriction, surface content. If present, the I monotypic plasma cells is i clonal plasma cells estimat by specimen processing and aging. Manual differential standard for determining th percentage. The percentage of monotypic cell cycle is determined by The DNA index is a calculat than one value indicates th with differing DNA contents cells. Method: Plasma cell analysis was pe following antigens: CD19, O lambda cytoplasmic immunogl Reviewed by: Steven Bashyns</pre>	<pre>(Reports/C702 ex idy lls ic immunopher nonotypic and letected by i immunophenot light chain e indicated. Th ced by flow c antigen loss counting re ne bone marro c plasma cell y quantitative ted value. The presence c s within the erformed with CD38, CD45, C Lobulin light</pre>	<pre>1.1 0.9 1.10 Hyperdiploid 0.1 8.3 notyping: ppa cytoplasmic D138. They do not d mmunoglobulin light cype, and DNA expressed by the ne percentage of cytometry is affected s with specimen emains the accepted ow plasma cell .s in S-phase of the re DNA analysis. The presence of more of cell populations monotypic plasma h antibodies to the CD138, kappa and c chains and DAPI.</pre>	ି କୃତ୍ତି କୃତ୍ତି କୃତ୍ତି	0.95-1.05 Diploid	MCR MCR MCR MCR MCR

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Patient Name	Collection Date and Time	Report Status
VALIDATIONSOFT, PCPROREPORT	08/25/2013 00:00	Final
Page 1 of 2		>> Continued on Next Page >>

* Report times for Mayo performed tests are CST/CDT



Performing Site:

Mayo Clinic Laboratories - Rochester Main Campus 200 First Street SW, Rochester MN 55905 Franklin R. Cockerill, M.D. Lab Director Phone: 800-533-1710 http://www.mayomedicallaboratories.com

VALIDATIONSOFT, PCPROREPORT

MEDICAL RECORD # (PATIENT ID) SA00061008

DOB	11/11/1960	CLIENT ID/WARD	7028846		ORDER #	B326000328
SEX	Male	CLIENT/NAME WARD	DLMP R	ochester	CLIENT ORDER #	SA00061008
CLIENT MRN	SA00061008	CITY, ST, ZIP	Rocheste	er	DATE COLLECTED	8/25/2013 12:00 AM
REQUESTED BY	CLIENT CLIENT		MN	55901	DATE RECEIVED	8/26/2013 3:19 PM
					DATE REPORTED	8/27/2013 10:11 AM

Plasma Cell Proliferation, Marrow

Results:

Marker Name	Result	Unit	Result Comments	Normal Range
Monotypic Plasma Cells:	Monotypic kappa plasma cells present.			None detected.
Monotypic PC per Total Events	1.1	%		
Monotypic Plasma Cells S-phase	0.9	%		
Monotypic Plasma Cells DNA Index	1.10			0.95-1.05
Monotypic Plasma Cells DNA Ploidy	Hyperdiploid			Diploid
Polytypic PC per Total Events	0.1	%		
Polytypic PC per All Plasma Cells	8.3	%		

Final Diagnosis:

Bone marrow, flow cytometric immunophenotyping:

1. Plasma cells express: monotypic kappa cytoplasmic immunoglobulin light chains, CD38 and CD138. They do not express: CD19 or CD45.

Comment:

Plasma cells, (monoclonal/monotypic and polyclonal/polytypic) are detected by immunoglobulin light chain restriction, surface immunophenotype, and DNA content. If present, the light chain expressed by the monotypic plasma cells is indicated. The percentage of clonal 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.

The percentage of monotypic plasma cells in S-phase of the cell cycle is determined by quantitative DNA analysis. The DNA index is a calculated value. The presence of more than one value indicates the presence of cell populations with differing DNA contents within the monotypic plasma cells.

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: Steven Bashynski 2013.08.27 10:11:59

VALIDATIONSOFT, PCPROREPORT

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DOB	11/11/1960
SEX	Male
CLIENT MRN	SA00061008
REQUESTED BY	CLIENT CLIENT

CLIENT ID/WARD 7028846 CLIENT/NAME WARD DLMP Rochester CITY, ST, ZIP Rochester MN 55901

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Disclaimer:

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.



Site ID: C7028846 Accession Number: SA00061008 FileName: SA00061008-7WKfNO +py219z9P11FbY756LClk45xj2gYo_tJABi9nxMlNer6Qv_XL5j2NdHbEihvk7tW6RG449IXGSEY4pg=.pdf Reported Date & Time: 08/27/13 10:15 Test Name: Plasma Cell Proliferation, Marrow Result Name: Monotypic Plasma Cells:



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* Performing Site:

MCR Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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Page 2 of 2		** End of Report **

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