

1-800-533-1710

PATIENT NAME TESTING, JOE		PATIENT NUMBER L3MRNG9153190		AGE 31	SEX M	ACCESSION # G9153190
ORDERING PHYSICIAN			CLIENT ORDER #		ACCOUNT # LIAISONS	
COLLECTION 07/15/10 04:36 P	RECEIVED 07/15/10 04:36 P	REPORT PRINTED 07/23/10 10:17 A		SPECIMEN INFORMATION DATE OF BIRTH: 7/11/1979		
DATE	TIME	DATE	TIME			
Test Client Attn: Mayo Liaisons 200 First Street SW Rochester, MN 55905 507-284-8202						

TEST REQUESTED	HI	LO	REF RANGE	PERFORM SITE *
Glutathione, B				
Glutathione, B	55.5		mg/dL RBC	46.9-90.1 MCR
Hemoglobin F, Red Cell Distrib, B				
Hemoglobin F, Red Cell Distrib, B	Heterocellular distribution of Hb F			MCR
-- EXPECTED VALUES --				
Reported as:				
Heterocellular or				
Homocellular				
Reflexed RBC Enzymes				
Adenylate Kinase, B	227		U/g Hb	165-430 MCR
Triosephosphate Isomerase, B	989		U/g Hb	930-1406 MCR
Phosphoglycerate Kinase, B	177		U/g Hb	165-239 MCR
Pyrimidine 5' Nucleotidase, B	Normal			MCR
Phosphofructokinase, RBC	7.9		U/g Hb	6.1-9.4 MCR
Adenosine Deaminase, B	1.1		IU/g Hb	0.3-1.5 MCR
HBG Electrophoresis Cascade, Level 3				
Manual DNA Extraction	TNP			MCR
Reflexed test not required				
Alpha Globin Gene Sequencing	TNP			MCR
Reflexed test not required				
This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo				

* Perform Site Legend on last page of report

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Clinic, Rochester MN. It has not been cleared or approved by the U.S. Food and Drug Administration.				
Beta Globin Gene Sequencing		Performed		MCR
Beta Globin Gene Sequence		Performed		MCR
Alpha Globin Gene Sequence		TNP		MCR
Reflexed test not required				
Beta Globin Gene Del/Dup		TNP		MCR
Reflexed test not required				
Globin Elec. Confirms				
Globin Elec. Confirms		YES		MCR
IEF Confirms				
IEF Confirms		YES		MCR
Hemolytic Anemia Evaluation				
Hexokinase, B	0.9		U/g Hb 0.8-1.9	MCR
G-6-PD, QN, RBC	10.0		U/g Hb 8.8-13.4	MCR
Pyruvate Kinase, RBC	11.5		U/g Hb 6.7-14.3	MCR
Osmotic Fragility, 0.50 g/dL NaCl	21.3		% hemol 0.0-47.8	MCR
Osmotic Fragility, 0.60 g/dL NaCl	55.5		% hemol 18.7-67.4	MCR
Osmotic Fragility, 0.65 g/dL NaCl	35.5		% hemol 4.4-36.6	MCR
Osmotic Fragility, 0.75 g/dL NaCl	7.5		% hemol 0.8-9.1	MCR
Hemoglobin, Unstable, B		Abnormal		MCR

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PRECAUTIONS: False-positive results will be obtained in blood specimens that contain >5% fetal hemoglobin or in specimens that are received more than a week after the blood has been drawn.

-- EXPECTED VALUES --

Reported as:

Normal [stable] or
Abnormal [unstable]

Glucose Phosphate Isomerase, B	40.3	U/g Hb	39.3-57.7	MCR
Hemolytic Anemia Interpretation				MCR
Reviewed by Dr. J.D. Hoyer. All Red Blood cell enzymes are normal or elevated. Normal erythrocytic osmotic fragility. DNA sequence analysis of the beta chain confirms Hb Zurich.				
Morphology Review				MCR
Review of blood smear reveals nondiagnostic abnormalities of erythrocytes.				
Hb A	L 47.0	%	95.0-98.0	MCR
Variant	50.0 = Hb Zurich	%	No abnormal variants	MCR
Hb A2	2.0	%	2.0-3.3	MCR
Hb F	1.0	%	0.0-2.0	MCR

* PERFORMING SITE

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.
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