MAYO CLINIC LABORATORIES

1-800-533-1710

GPI1

Glucose Phosphate Isomerase Enzyme Activity, Blood

Patient ID	Patient Name		Birth Date	Gender	Age
SA00143681	VALIDATIONSOFT, TESTING		1987-01-01	M	34
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00143681	SA00143681	CLIENT,CLIENT			
Account Information		**Collected**			
C7028846 DLMP Rochester		29 Mar 2021 08:00			

Glucose Phosphate Isomerase, B

Result Name	Value	Unit	Reference Value	Performing Site
Low **Glucose Phosphate Isomerase, B**	**5.0**	U/g Hb	40.0–58.0	1 MCR

The Glucose Phosphate Isomerase (GPI) activity level is decreased.

GPI activity is 10% of mean normal range. Most clinically significant hemolytic anemias due to GPI deficiency are associated with activity levels <30% of mean normal; however, some clinically affected patients can have higher activity due to reticulocytosis. Heterozygotes usually show 40–60% of mean normal activity and are hematologically normal.

Clinically significant GPI deficiency manifests in variable severity ranging from anemia, jaundice, gallstones, splenomegaly, neonatal death/hydrops fetalis and neurologic impairment.

If genotyping is desired, a sequencing panel is available. If indicated, please order NGHHA (Hereditary Hemolytic Anemia Seq) or NGENZ (RBC Enzyme Sequencing) and fill out the information sheet.

Received: 30 Mar 2021 13:03

Reported: 30 Mar 2021 13:04

Laboratory Notes

1 This test was developed and its performance characteristics 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