

Patient ID SA00143690	Patient Name VALIDATIONSOF, TESTING	Birth Date 1984-07-27	Gender M	Age 36
Order Number SA00143690	Client Order Number SA00143690	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 29 Mar 2021 10:00		

PK Enzyme Activity, B

Result Name	Value	Unit	Reference Value	Performing Site
PK Enzyme Activity, B	9.2	U/g Hb	5.5–12.4	1 MCR
Most hemolytic anemias due to Pyruvate Kinase (PK) deficiency are associated with activity levels less than 3.6 U/g Hb (<40% of mean normal). However, some patients with clinically significant hemolysis can have normal or only mildly decreased PK enzyme activity, which paradoxically occurs in individuals with the most severe symptoms or after splenectomy. Isolated carriers (heterozygotes) may show normal to mildly decreased activity and are typically hematologically normal. Some PK carrier states can exacerbate other RBC disorders, such as G6PD deficiency or Hb S trait. Note: PK deficiency can be masked in the setting of reticulocytosis, markedly elevated WBCs or recent transfusion. If any of these are present in the setting of chronic hemolytic anemia, genotyping is recommended. If desired, please order PKLRG (PKLR Full Gene and Deletion).				

Received: 30 Mar 2021 14:38

Reported: 30 Mar 2021 14:39

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