



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 09/06/2023 11:36 Received: 09/06/2023 11:36

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Pyruvate Kinase Enzyme Activity, Blood, 12.0, 5.5-12.4, U/g Hb, MMRL

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).

No Charge- LSI Client Testing

-----ADDITIONAL INFORMATION-----

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.

Test Performed by:
Mayo Clinic Laboratories - Rochester Main Campus
200 First Street SW, Rochester, MN 55905
Lab Director: William G. Morice M.D. Ph.D.; CLIA# 24D0404292

Performing Site:

MMRL: MAYO MEDICAL REFERENCE LAB 3050 Superior Drive NW Rochester MN 55901

Reported Date: 2023.09.06 11:36

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED