

Patient ID SA00140951	Patient Name VALIDATIONTESTING, EEEV1	Birth Date 1979-09-09	Gender F	Age 41
Order Number SA00140951	Client Order Number SA00140951	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 15 Dec 2020 12:00		

RBC Enzyme Evaluation

Erythrocyte Enzyme Interpretation

1 MCR

Pyruvate Kinase (PK) level is decreased consistent with PK deficiency. Clinical correlation is required.

Clinically significant PK deficiency manifests in widely variable severity ranging from incidental compensated mild normocytic anemia to severe neonatal anemia. Other symptoms include hyperbilirubinemia/jaundice, early gallstones, splenomegaly and iron overload even in the absence of frequent transfusions. Rare severe forms are associated with hydrops fetalis/fetal demise. Rarely, acquired PK deficiency can arise secondary to myeloid neoplasms. Molecular genotyping is available. If desired, please order PKLRG (PKLR Full Gene and Deletion). Additional sample required.

Reviewed By

MCR

JENNIFER MAIN

Result Name	Value	Unit	Reference Value	Performing Site
G6PD Enzyme Activity, B	9.7	U/g Hb	8.0–11.9	1 MCR
 PK Enzyme Activity, B	<1.1	U/g Hb	5.5–12.4	1 MCR
Glucose Phosphate Isomerase, B	49.5	U/g Hb	40.0–58.0	1 MCR
Hexokinase, B	1.2	U/g Hb	0.7–1.7	1 MCR
Adenylate Kinase, B	205	U/g Hb	195–276	1 MCR
Phosphofructokinase, B	8.9	U/g Hb	5.8–10.9	1 MCR
Phosphoglycerate Kinase, B	199	U/g Hb	142–232	1 MCR
Triosephosphate Isomerase, B	1297	U/g Hb	1033–1363	1 MCR
Glutathione, B	52.1	mg/dL RBC	46.9–90.1	1 MCR

Pyrimidine 5' Nucleotidase, B

Result Name	Value	Unit	Reference Value	Performing Site
Pyrimidine 5' Nucleotidase, B	Normal			MCR
REFERENCE VALUE Expected result is normal				

Received: 16 Dec 2020 10:34

Reported: 16 Dec 2020 10:42

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

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Test
Environment
EVP Template

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.

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