

Patient ID SA00127809	Patient Name TESTINGRNAVREPORTS, ALAD ABN	Birth Date 1964-04-04	Gender M	Age 55
Order Number SA00127809	Client Order Number SA00127809	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 24 Mar 2020 12:15		

ALA Dehydratase, WB

ALA Dehydratase


2.4 nmol/L/sec

Low

REFERENCE VALUE

≥4.0 nmol/L/sec

3.5–3.9 nmol/L/sec (Indeterminate)

<3.5 nmol/L/sec (Diminished)

Interpretation

In this sample, the erythrocyte aminolevulinic acid dehydratase (ALAD) activity was moderately decreased. This finding is not consistent with a biochemical diagnosis of ALA dehydratase deficiency (ADP). ADP is a rare autosomal recessive disorder in

MCR

which the ALAD enzyme activity is lower than 5% of the normal control. Moreover, ALAD activity is rapidly degraded if the blood sample is not properly stored or transported. If clinically indicated, consider sending a urine sample for aminolevulinic acid and porphobilinogen analyses. Please be aware that this assay is not useful in evaluating lead intoxication as it re-activates ALAD that may have been inhibited by lead.

ADDITIONAL INFORMATION

Enzymatic End point/Spectrofluorometric

1 MCR

Reviewed By

Colleen Landon

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Received: 25 Mar 2020 13:52
Reported: 25 Mar 2020 13:56

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