

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB** 6/6/1996  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Aminolevulinic Acid Dehydratase (ALAD), Blood**

ARUP test code 2011012

ALA Dehydratase, Whole Blood

**3.2 nmol/L/sec L**

-----REFERENCE VALUE-----  
>=4.0  
3.5-3.9 (Indeterminate)  
<3.5 (Diminished)

**ALA - Interpretation****SEE NOTE**

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 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  
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.

**ALA - Reviewed by****SEE NOTE**

RESULT: Silvia Tortorelli, M.D., Ph.D.

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

H=High, L=Low, \*=Abnormal, C=Critical



VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
ALA Dehydratase, Whole Blood	23-031-135952	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ALA - Interpretation	23-031-135952	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ALA - Reviewed by	23-031-135952	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical