

Reporting Title: ALA Dehydratase, WB**Performing Location:** Rochester**Ordering Guidance:**

This assay is not useful in assessment of lead intoxication as it reactivates aminolevulinic acid dehydratase that has been inhibited by lead. The preferred test for lead toxicity is PBDV / Lead, Venous, with Demographics, Blood.

Necessary Information:

1. Patient's age is required
2. Include a list of medications the patient is currently taking.

Specimen Requirements:

Patient Preparation: Abstinence from alcohol is essential for at least 24 hours prior to specimen collection as ethanol suppresses aminolevulinic acid dehydratase activity, leading to false-positive results.

Container/Tube:

Preferred: Green top (sodium heparin)

Acceptable: Lavender top (EDTA) or green top (lithium heparin)

Specimen Volume: Full tube 4 mL

Collection Instructions: Refrigerate specimen as soon as possible.

Specimen Minimum Volume:

3 mL

Forms:

New York Clients-Informed consent is required. Document on the request form or electronic order that a copy is on file.

The following documents are available:

- Informed Consent for Genetic Testing (T576)
- Informed Consent for Genetic Testing-Spanish (T826)

Specimen Type	Temperature	Time	Special Container
Whole blood	Refrigerated (preferred)	7 days	
	Ambient	4 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
4021	ALA Dehydratase	Alphanumeric	nmol/L/sec	12916-3
28399	Interpretation	Alphanumeric		59462-2
606468	Reviewed By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82657

Reference Values:

Reference ranges have not been established for patients who are younger than 16 years of age.

> or =4.0 nmol/L/sec
3.5-3.9 nmol/L/sec (indeterminate)
<3.5 nmol/L/sec (diminished)