

Overview**Method Name**

Quantitative Ion Exchange Chromatography/Spectrophotometry

NY State Available

Yes

Specimen**Specimen Type**

Urine

Specimen Required**Specimen Type:** Urine**Submission Container/Tube:** Plastic, 6-mL tube(s) (MCL T465)**Specimen Volume:** 4 mL**Collection Instructions:**

1. Collect urine for 24 hours (NO preservative).
2. Refrigerate specimen during the 24-hour collection.
3. Send specimen frozen in the plastic, 6-mL urine tube (T465)
4. Collection volume and duration are required

Urine Preservative Collection Options

Ambient	Yes
Refrigerated	Yes
Frozen	NO
6N HCl	NO
50% Acetic Acid	NO
Na ₂ CO ₃	NO
Toluene	NO
6N HNO ₃	NO
Boric Acid	NO
Thymol	NO

Specimen Minimum Volume

1.2 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Frozen (preferred)	30 days	
	Refrigerated	4 days	

Clinical and Interpretive
Reference Values

Procedure	Units	Ref Interval		
Creatinine, Urine-mg/dL	mg/dL			
Creatinine, Urine-mg/day	mg/d	Age	Male	Female
		3-8 years	140-700	140-700
		9-12 years	300-1300	300-1300
		13-17 years	500-2300	400-1600
		18-50 years	1000-2500	700-1600
		51-80 years	800-2100	500-1400
		81 years and older	600-2000	400-1300
Aminolevulinic Acid umol/L	umol/L	0-35		
Aminolevulinic Acid umol/day	umol/d	0-60		

Cautions

Increased ALA concentration is associated with exposure to alcohol, lead, and a variety of other agents. Massive elevation of ALA occurs in the acute porphyrias and hereditary tyrosinemia. Specimen preservation with acid or base is discouraged and may cause assay interference. When collecting urine for additional tests that require acid or base preservation, the ALA aliquot should be removed prior to the addition of the acid or base.

Performance

PDF Report

No

Day(s) and Time(s) Test Performed

Monday, Wednesday, Friday

Analytic Time

1-4 days

Maximum Laboratory Time

3-8 days

Performing Laboratory Location

ARUP Laboratories

Fees and Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact [Customer Service](#).

CPT Code Information

82135

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FALAU	Aminolevulinic Acid (ALA), Urine	Not Provided

Result ID	Test Result Name	Result LOINC Value
Z2709	Hours Collected	30211-7
Z2710	Total Volume	19153-6
Z2711	Creatinine, Urine mg/dL	2161-8
Z2712	Creatinine, Urine mg/day	2162-6
Z2713	Aminolevulinic Acid umol/L	34284-0
Z2714	Aminolevulinic Acid umol/day	14689-4