

Reporting Title: Aluminum/Creat Ratio, Random, U

Performing Location: Rochester

Ordering Guidance:

The recommended test for routine aluminum screening is AL / Aluminum, Serum

For monitoring aluminum exposure or metallic prosthetic implant wear, the preferred test is ALU / Aluminum, 24 Hour, Urine.

Specimen Requirements:

Patient Preparation: High concentrations of gadolinium and iodine are known to interfere with most metal tests. If either gadolinium- or iodine-containing contrast media has been administered, **a specimen should not be collected for 96 hours.**

Supplies: Urine Tubes, 10 mL (T068)

Collection Container/Tube: Clean, plastic urine collection container

Submission Container/Tube: Plastic urine tube or clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 3 mL

Collection Instructions:

- 1. Collect a random urine specimen.
- 2. See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Frozen	28 days	
	Ambient	14 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8
610839	Aluminum/Creat Ratio, U	Numeric	mcg/g Cr	13470-0

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
ALCU	Aluminum/Creat Ratio, U	1	82108	Yes	No
CRETR	Creatinine, Random, U	1	82570	Yes	No

CPT Code Information:

82570

82108

Reference Values:

ALUMINUM:

0-17 years: Not established

> or =18 years: <14 mcg/g creatinine

CREATININE:

16-326 mg/dL

Reference values have not been established for patients younger than 18 years of age.