

**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 Minimum Volume:**

0.7 mL

| 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®  |
|-----------|-------------------------|---------|----------|---------|
| 610839    | Aluminum/Creat Ratio, U | Numeric | mcg/g Cr | 13470-0 |
| CRETR     | Creatinine, Random, U   | Numeric | mg/dL    | 2161-8  |

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

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No

**Components:**

| Test ID | Reporting Name          | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|-------------------------|-----------|----------|------------------|----------------------|
| ALCU    | Aluminum/Creat Ratio, U |           |          | Yes              | No                   |
| CRETR   | Creatinine, Random, U   |           |          | 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.