

Reporting Title: Aldosterone, U
Performing Location: Rochester

Ordering Guidance:
Advice on stimulation or suppression tests is available from Mayo Clinic's Division of Endocrinology; call 800-533-1710.

Necessary Information:
24-Hour volume (in milliliters) is required.

Specimen Requirements:
Patient Preparation: Spironolactone (Aldactone) should be discontinued for 4 to 6 weeks before specimen collection. The plasma renin activity cannot be interpreted if the patient is being treated with spironolactone.
Supplies: Urine tubes, 10 mL (T068)
Container/Tube: Plastic, urine tube
Specimen Volume: 10 mL

Collection Instructions:
1. Collect urine for 24 hours.
2. Add 25 mL of 50% acetic acid as preservative **at start of collection**. Use 15 mL of 50% acetic acid for children under the age of 5 years. This preservative is intended to achieve a pH of between approximately 2 and 4.
Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Urine Preservative Collection Options:
Note: The addition of preservative must occur prior to beginning the collection.

| | |
|----------------------|-----------|
| Ambient | No |
| Refrigerate | No |
| Frozen | No |
| 50% Acetic Acid | Preferred |
| Boric Acid | OK |
| Diazolidinyl Urea | No |
| 6M Hydrochloric Acid | No |
| 6M Nitric Acid | No |
| Sodium Carbonate | No |
| Thymol | No |
| Toluene | No |

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

Ask at Order Entry (AOE) Questions:

| Test ID | Question ID | Description | Type | Reportable |
|---------|-------------|-------------|------|------------|
|---------|-------------|-------------|------|------------|

| | | | | |
|------|------|---------------------|------------|-----|
| ALDU | TM47 | Collection Duration | Plain Text | Yes |
| ALDU | VL45 | Urine Volume | Plain Text | Yes |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|---------------------|--------------|----------|---------|
| 8556 | Aldosterone, U | Alphanumeric | mcg/24 h | 1765-7 |
| TM47 | Collection Duration | Alphanumeric | | 13362-9 |
| VL45 | Urine Volume | Alphanumeric | | 3167-4 |

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

Supplemental Report:

No

CPT Code Information:

82088

Reference Values:

0-30 days: 0.7-11.0 mcg/24 h*
31 days-11 months: 0.7-22.0 mcg/24 h*
> or =1 year: 2.0-20.0 mcg/24 h

*Loeuille GA, Racadot A, Vasseur P, Vandewalle B: Blood and urinary aldosterone levels in normal neonates, infants and children. *Pediatric*. 1981 Jul-Aug;36(5):335-344

For International System of Units (SI) conversion for Reference Values, see www.mayocliniclabs.com/order-tests/si-unit-conversion.html