Reporting Title: Aldosterone with Sodium, Urine
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Plastic, 60-mL urine bottle
Submission Container/Tube: Plastic, 10-mL urine tube (Supply T068) and plastic, 6-mL tube (Supply T465)
Specimen Volume: 16 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 <5 years old. This preservative is intended to achieve a pH of between approximately 2 and 4.
3. Place 11 mL of well mixed, 24-hour urine in plastic, 10-mL urine tube (Supply T068) and label as Aldosterone.
4. Place 5 mL of well mixed, 24-hour urine in plastic, 6-mL tube (Supply T465) and label as Sodium.
Additional Information:
1. 24-Hour volume is required.
2. See Urine Preservatives for multiple collections and Renin-Aldosterone Studies for more detailed instructions in Special Instructions.

Urine Preservative Collection Options
Ambient Yes
Refrigerated Yes
Frozen Yes
6N HCl No
50% Acetic Acid Preferred
Na2CO3 No
Toluene Yes
6N HNO3 No
Boric Acid Yes
Thymol Yes

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	7 days
	Ambient	7 days
	Frozen	7 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

Test ID	Question ID	Description	Type	Reportable
NAU	TM11	Collection Duration	Plain Text	Yes
NAU	VL9	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8556	Aldosterone, U **Also used by tests: ALDU**	Numeric	mcg/24 h	1765-7
TM47	Collection Duration **Also used by tests: ALDU**	Alphanumeric		13362-9
VL45	Urine Volume **Also used by tests: ALDU**	Alphanumeric		3167-4
NA_24	Sodium, 24 Hr, U **Also used by tests: NAU**	Numeric	mmol/24 h	2956-1
TM11	Collection Duration **Also used by tests: NAU**	Numeric	h	13362-9
VL9	Urine Volume **Also used by tests: NAU**	Numeric	mL	3167-4
NACN	Sodium Concentration **Also used by tests: NAU**	Numeric	mmol/L	21525-1

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
ALDU	Aldosterone, U	1	82088	Yes	Yes
NAU	Sodium, U	1	84300	Yes	Yes

Reference Values:

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

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

SODIUM
41-227 mmol/24 hours
If the 24-hour urinary sodium excretion is >200 mmol, the urinary aldosterone excretion should be <10 mcg.