

**Reporting Title:** Cortisol, Free, U**Performing Location:** Rochester**Necessary Information:**

24-Hour volume (in milliliters) is required.

**Specimen Requirements:**

Supplies: Urine Tubes, 10-mL (T068)

Submission Container/Tube: Plastic, urine tube

Specimen Volume: 5 mL

Collection Instructions:

1. Collect urine for 24 hours.
2. Add 10 g of boric acid as preservative at start of collection.

Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

**Specimen Minimum Volume:**

3 mL

**Urine Preservative Collection Options:**

Note: The addition of preservative must occur prior to the start of the collection or application of temperature controls must occur during collection.

Ambient No

Refrigerate OK

Frozen OK

50% Acetic Acid OK

Boric Acid Preferred

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)	14 days	
	Frozen	28 days	
	Ambient	7 days	

**Ask at Order Entry (AOE) Questions:**

Test ID	Question ID	Description	Type	Reportable
CORTU	TM93	Collection Duration	Plain Text	Yes
CORTU	VL47	Urine Volume	Plain Text	Yes

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
8546	Cortisol, U <b>Also used by tests: COCOU</b>	Alphanumeric	mcg/24 h	14158-0
TM93	Collection Duration <b>Also used by tests: COCOU</b>	Alphanumeric		13362-9
VL47	Urine Volume <b>Also used by tests: COCOU</b>	Alphanumeric		3167-4

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

82530

**Reference Values:**

0-2 years: not established  
3-8 years: 1.4-20 mcg/24 hours  
9-12 years: 2.6-37 mcg/24 hours  
13-17 years: 4.0-56 mcg/24 hours  
> or =18 years: 3.5-45 mcg/24 hours

Use the factor below to convert from mcg/24 hours to nmol/24 hours:

Conversion factor

Cortisol: mcg/24 hours x 2.76=nmol/24 hours (molecular weight=362.5)

For SI unit Reference Values, see <https://www.mayocliniclabs.com/order-tests/si-unit-conversion.html>