
Reporting Title: Cortisol/Cortisone, 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 (T068)

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 or application of temperature controls must occur at the start of the 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	72 hours	

Ask at Order Entry (AOE) Questions:

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8546	Cortisol, U Also used by tests: CORTU	Alphanumeric	mcg/24 h	14158-0
10327	Cortisone, U	Alphanumeric	mcg/24 h	14044-2
TM93	Collection Duration Also used by tests: CORTU	Alphanumeric		13362-9
VL47	Urine Volume Also used by tests: CORTU	Alphanumeric		3167-4

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82530-Cortisol; free
82542

Reference Values:**CORTISOL**

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

CORTISONE

0-2 years: not established
3-8 years: 5.5-41 mcg/24 hours
9-12 years: 9.9-73 mcg/24 hours

13-17 years: 15-108 mcg/24 hours
> or =18 years: 17-129 mcg/24 hours

Use the factors below to convert each analyte from mcg/24 hours to nmol/24 hours:

Conversion factors

Cortisol: $\text{mcg/24 hours} \times 2.76 = \text{nmol/24 hours}$ (molecular weight=362.5)

Cortisone: $\text{mcg/24 hours} \times 2.78 = \text{nmol/24 hours}$ (molecular weight=360)

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