Test Definition: COCOU

Cortisol/Cortisone, Free, Urine

Reporting Title: Cortisol/Cortisone, Free, U
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Plastic, 10-mL urine tube (Supply 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:
1. 24-Hour volume is required.
2. See Urine Preservatives in Special Instructions for multiple collections.

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

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	7 days
	Frozen	14 days
	Ambient	7 days

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**	Numeric	mcg/24 h	14158-0
10327	Cortisone, U	Numeric	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		19153-6

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Quantitative, each spec	1	83789		
Billing only	Cortisol free	1	82530		

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: mcg/24 hours x 2.76=nmol/24 hours (molecular weight=362.5)
Cortisone: mcg/24 hours x 2.78=nmol/24 hours (molecular weight=360)