

Reporting Title: Cortisol/Cortisone, Free, Random, U

Performing Location: Rochester

Specimen Requirements:

Supplies: Urine tube, 10 mL (T068)

Collection Container/Tube: Clean, plastic urine container with no metal cap or glued insert

Submission Container/Tube: Plastic, 10-mL urine tube or clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 10 mL

Collection Instructions: Collect a random urine specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	28 days	
	Ambient	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
10328	Cortisol/Creatinine Ratio	Alphanumeric	mcg/g Cr	11155-9
10329	Cortisone/Creatinine Ratio	Alphanumeric	mcg/g Cr	30511-0
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8

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

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
COCOR	Cortisol, Random, U	1	82542	Yes	No
CRETR	Creatinine, Random, U	1	82570	Yes	Yes, (order RCTUR)

CPT Code Information:

82542

82530 - Cortisol

82570 - Creatinine

Reference Values:

CORTISOL

Males

0-2 years: 3.0-120 mcg/g creatinine

3-8 years: 2.2-89 mcg/g creatinine
9-12 years: 1.4-56 mcg/g creatinine
13-17 years: 1.0-42 mcg/g creatinine
> or =18 years: 1.0-119 mcg/g creatinine

Females

0-2 years: 3.0-120 mcg/g creatinine
3-8 years: 2.2-89 mcg/g creatinine
9-12 years: 1.4-56 mcg/g creatinine
13-17 years: 1.0-42 mcg/g creatinine
> or =18 years: 0.7-85 mcg/g creatinine

CORTISONE

0-2 years: 25-477 mcg/g creatinine
3-8 years: 11-211 mcg/g creatinine
9-12 years: 5.8-109 mcg/g creatinine
13-17 years: 5.4-102 mcg/g creatinine
18-29 years: 5.7-153 mcg/g creatinine
30-39 years: 6.6-176 mcg/g creatinine
40-49 years: 7.6-203 mcg/g creatinine
50-59 years: 8.8-234 mcg/g creatinine
60-69 years: 10-270 mcg/g creatinine
> or =70 years: 12-311 mcg/g creatinine

Use the conversion factors below to convert each analyte from mcg/g creatinine to nmol/mol creatinine:

Conversion factors

Cortisol: $\text{mcg/g creatinine} \times 312 = \text{nmol/mol creatinine}$
Cortisone: $\text{mcg/g creatinine} \times 314 = \text{nmol/mol creatinine}$

Cortisol molecular weight=362.5
Cortisone molecular weight=360.4
Creatinine molecular weight=113.12