



Laboratory Service Manual

Lab Dept: Urine/Stool

Test Name: CORTISOL, FREE, TIMED URINE

General Information

Lab Order Codes: UCOT

Synonyms: Quantitative Urine Free Cortisol

CPT Codes: 82530 – Cortisol; free

82570 – Creatinine, other source

Test Includes: 24 hr urine volume, Free cortisol urine in $\mu\text{g}/24$ hr, Free cortisol urine in $\mu\text{g}/\text{dL}$, Free cortisol/creatinine ratio, 24 hr creatinine in $\text{mg}/24$ hr and creatinine urine in mg/dL

Logistics

Test Indications: N/A

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: Esoterix, Inc

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 - 6 days, test set up Monday and Thursday. Assay time is 3 days.

Special Instructions: Submit an entire 24-hour urine collection. No preservative. Refrigerate specimen during and after collection.

Note: Starting and ending times of collection are required for a timed urine collection and must be documented electronically or on the proper request form.

Specimen

Specimen Type: Urine, timed collection



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Container:	Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.
Draw Volume:	Submit an entire 24-hour urine collection
Processed Volume:	50 mL (Minimum: 5 mL) urine
Collection:	For timed urine collections, empty the bladder, discard the voided sample, and note the start time. Collect all urine voided for the specified time period. At the end of the period, note the finishing time, add the last voided sample to the container by emptying the bladder. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.
Special Processing:	Lab Staff: Add boric acid (0.5g/100 mL) as preservative to finished collection. Mix sample well. Record 24 hour volume. Remove a 50 mL aliquot (Minimum: 5 mL) urine. Store and ship urine aliquot frozen.
Patient Preparation:	None
Sample Rejection:	N/A

Interpretive

Reference Range:

Free Cortisol, Urine µg/24 hours	
Prepubertal	3 - 9
Adult Males	11 - 84
Adult Females	10 - 34
Pregnancy	16 - 80
Free Cortisol, Urine µg/dL	
No reference ranges available	
Free Cortisol/Creatinine Ratio	
Prepubertal	7 - 25
Adult Males	7 - 45
Adult Females	9 - 32
Pregnancy	14 - 59



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24 hr Urine Creatinine mg/24 hr	
Males	800 - 2000
Females	600 - 1800
Creatinine Urine mg/dL	
No reference ranges provided by reference lab	

Critical Values:	N/A
Limitations:	N/A
Methodology:	Radioimmunoassay (RIA) After Chromatography
Contraindications:	N/A
References:	Esoterix, Inc Web Page www.esoterix.com