



Laboratory Service Manual

Lab Dept: Urine/Stool

Test Name: 17-HYDROXYCORTICOSTEROIDS, URINE

General Information

Lab Order Codes: 17HC

Synonyms: 17OH - Corticosteroids

CPT Codes: 83491 – Hydroxycorticosteroids, 17
82570 – Creatinine, other source

Test Includes: Urine 17-OH Corticosteroid concentration in mg/g creatinine and urine creatinine in mg/dL

Logistics

Test Indications: N/A

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: Esoterix, Inc (test #500216)

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 5 days, test set up twice weekly

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: 5.0 mL) aliquot of a well mixed 24 hour 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: Measure total urine collection volume. Add boric acid (0.5gm/100mL) as a preservative. Mix specimen well, remove 50 mL (Minimum: 5.0 mL) urine aliquot put in 60 mL urine bottle. Freeze specimen. Ship frozen. Forward promptly. |
| Patient Preparation: | None |
| Sample Rejection: | N/A |

Interpretive

Reference Range:

| Prepubertal Children: | | |
|--------------------------------------|-----------------------|---------------------------|
| 1 – 4 years: | 0.2 – 2.5 mg/24 hours | 1.7 – 6.4 mg/g creatinine |
| 5 – 9 years: | 0.5 – 2.5 mg/24 hours | 2.2 – 6.0 mg/g creatinine |
| Pubertal Children and Adults: | | |
| Male: | 3 – 10 mg/24 hours | 2.4 – 4.3 mg/g creatinine |
| Female: | 2 – 6 mg/24 hours | 1.6 – 3.6 mg/g creatinine |

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|---------------------------|---|
| Critical Values: | N/A |
| Limitations: | N/A |
| Methodology: | Porter Silber Chromagens after Column Chromatography |
| Contraindications: | N/A |
| References: | Esoterix, Inc Web Page www.esoterix.com |



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Esoterix, Inc. "Expected Value & S.I. Unit Conversion Table" Fifth Edition