

**Reporting Title:** Cortisol, S**Performing Location:** Rochester**Ordering Guidance:**

The preferred screening test for Cushing syndrome measures 24-hour urinary free cortisol. Order CORTU / Cortisol, Free, 24 Hour, Urine.

For confirming the presence of synthetic steroids, order SGSS / Synthetic Glucocorticoid Screen, Serum.

For patients taking exogenous glucocorticoids, order CORTU / Cortisol, Free, 24 Hour, Urine.

For evaluating response to metyrapone, order DCORT / 11-Deoxycortisol, Serum.

For evaluation of congenital adrenal hyperplasia, the following tests provide better, accurate, and specific determination of the enzyme deficiency:

-DCORT / 11-Deoxycortisol, Serum

-OHPG / 17-Hydroxyprogesterone, Serum

-DHEA\_ / Dehydroepiandrosterone (DHEA), Serum

**Specimen Requirements:**

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.6 mL

Collection Instructions:

1. Morning (8 a.m.) and afternoon (4 p.m.) specimens are preferred.
2. Serum gel tubes should be centrifuged within 2 hours of collection.
3. Red-top tubes should be centrifuged and the serum aliquoted into a plastic vial within 2 hours of collection.

Additional Information:

1. Include time of collection.
2. If multiple specimens are collected, send separate order for each specimen.

**Specimen Minimum Volume:**

0.5 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	90 days	
	Ambient	7 days	

**Ask at Order Entry (AOE) Questions:**

Test ID	Question ID	Description	Type	Reportable
CORT	COLT4	Collection Time in Military Time	Plain Text	No

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
CORTP	Cortisol, S	Numeric	mcg/dL	83088-5
CAM	AM Result	Numeric	mcg/dL	9813-7
CPM	PM Result	Numeric	mcg/dL	9812-9

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

82533

**Reference Values:**

0 -<3 months: 1.1-19 mcg/dL  
3 months-<12 months: 2.6-23 mcg/dL  
12 months-<13 years: 2.2-13 mcg/dL  
13 years-<16 years: 3.0-17 mcg/dL  
16 years -<18 years: 3.8-19 mcg/dL  
> or =18 years:  
a.m.: 7-25 mcg/dL  
p.m.: 2-14 mcg/dL

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