

# **Test Definition: CORT**

Cortisol, Serum

Reporting Title: Cortisol, S

Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

### **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 serum

**Collection Instructions:** 

- 1. Morning (8 a.m.) and afternoon (4 p.m.) specimens are preferred.
- 2. Within 2 hours of collection, centrifuge the specimen.
- 3. For red-top tubes aliquot the serum into a plastic vial after centrifugation.

#### **Additional Information:**

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

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

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

Test ID	Question ID	Description	Туре	Reportable
CORT	COLT4	Collection Time in Military Time	Plain Text	Yes

#### **Result Codes:**



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Result ID	Reporting Name	Туре	Unit	LOINC®
CORTP	Cortisol, S	Numeric	mcg/dL	83088-5
CAM	AM Result	Numeric	mcg/dL	9813-7
СРМ	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 International System of Units (SI) conversion for Reference Values, see <a href="https://www.mayocliniclabs.com/order-tests/si-unit-conversion.html">www.mayocliniclabs.com/order-tests/si-unit-conversion.html</a>