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	Type	Reportable
CORT	COLT4	Collection Time in Military Time	Plain Text	Yes

Result Codes:

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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 International System of Units (SI) conversion for Reference Values, see
www.mayocliniclabs.com/order-tests/si-unit-conversion.html