

Reporting Title: Cortisol, S, LC-MS/MS**Performing Location:** Rochester**Ordering Guidance:**

The preferred screening test for Cushing syndrome is the 24-hour urinary free cortisol excretion, order CORTU / Cortisol, Free, 24 Hour, Urine.

When patients are not taking, or are not suspected to be taking, exogenous glucocorticoids, order CORT / Cortisol, Serum.

Specimen Requirements:

Collection Container/Tube: Red top (serum gel/SST are not acceptable)

Specimen Volume: 0.6 mL

Submission Container/Tube: Plastic vial

Collection Instructions:

1. Morning (8 a.m.) and afternoon (4 p.m.) specimens are preferred.
2. Include time of collection.
3. Centrifuge and aliquot serum into a plastic vial.

Additional Information: If multiple specimens are collected, send a separate order for each specimen.

Specimen Minimum Volume:

0.25 mL

Specimen Type	Temperature	Time	Special Container
Serum Red	Refrigerated (preferred)	28 days	
	Ambient	28 days	
	Frozen	28 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CIMP	COLT2	Collection Time in Military Time	Plain Text	No

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
84279	Cortisol, S, LC-MS/MS	Numeric	mcg/dL	2143-6
23606	AM Cortisol	Numeric	mcg/dL	9813-7
23607	PM Cortisol	Numeric	mcg/dL	9812-9

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82533

Reference Values:

5-25 mcg/dL (a.m.)

2-14 mcg/dL (p.m.)

Pediatric reference ranges are the same as adults, as confirmed by peer-reviewed literature.

Petersen KE: ACTH in normal children and children with pituitary and adrenal diseases. I. Measurement in plasma by radioimmunoassay-basal values. Acta Paediatr Scand. 1981;70:341-345