



To: UCM Medical Staff, House staff, Nursing Staff, Patient Care Centers, and Outpatient Clinics

From: Melissa S Pessin, MD, PhD
Professor and Vice Chair, Clinical Pathology
Medical Director of Hyde Park Clinical Laboratories and Alternative Site Testing

Date: 2/24/2025

Subject: Ceruloplasmin Testing Offered at UCM Clinical Chemistry Lab - Hyde Park

Effective Date: 2/26/2025

Laboratory Section: Chemistry

Summary:

Effective 2/26/2025, the Hyde Park Clinical Chemistry Laboratory will begin performing ceruloplasmin testing in-house.

Ceruloplasmin is a positive acute-phase reactant and a copper-binding protein that associates with over 95% of serum copper in adults. Its concentration is primarily measured to assist in the diagnosis of Wilson disease. Other indications include Menkes disease, dietary copper insufficiency, and the assessment of cardiovascular disease risk.

Our new test methodology differs from the reference laboratory test offered by Mayo Clinic Laboratories. However, the test characteristics and performance of both tests are comparable.

Test Name: Ceruloplasmin

Synonym: CERU

Test Code: LABCHCERU

CPT Code(s): 82390

Turnaround time: 4 hours

Specimen Requirements:

Preferred: LiHep plasma (Mint Top)

Other Acceptable: Serum (Gold or Red Top)

Results Reporting:

Reference Range	
Sex	Ceruloplasmin
Male	15-30 mg/dL
Female	16-45 mg/dL

- Schilsky ML: Wilson disease: Diagnosis, treatment, and follow-up. Clin Liver Dis. 2017 Nov;21(4):755-767.
- Hermann W: Classification and differential diagnosis of Wilson's disease. Ann Transl Med. 2019 Apr;7(Suppl 2):S63.

Questions:

If there are any questions regarding this change, please contact:

The UCM Clinical Chemistry Lab – Hyde Park at 773-702-1772.

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