

DATE:	6 October 2025
TO:	All Zones
FROM:	Clinical Biochemistry, Alberta Precision Labs
RE:	Consolidation of Ceruloplasmin Testing [LAB703] to Edmonton Base Lab

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Key Message

- Effective **October 9, 2025**, ceruloplasmin testing will be consolidated at Edmonton Base Lab (EBL).

Background

- Ceruloplasmin is clinically used for the diagnosis and management of copper metabolism disorders, particularly Wilson's disease, Menkes disease and Aceruloplasminemia [1].
 - It is a positive acute phase reactant, so its concentration increases in inflammatory conditions [1].
 - Ceruloplasmin can also be elevated in pregnant women, patients receiving hormone therapy, oral contraceptives and anti-seizure medications [1].
- Ceruloplasmin testing for South Sector is currently performed at the Diagnostic and Scientific Centre (DSC) on the Binding Site Optilite instrument; testing for North Sector is currently performed at the University of Alberta Hospital (UAH) on the Siemens BNII nephelometer instrument.
- The provincial test volume for ceruloplasmin can be accommodated on a high throughput analyzer.
 - This will promote appropriate resource utilization, faster turnaround time, and provincial standardization.
- As such, ceruloplasmin testing will be consolidated on the Siemens Atellica instrument at EBL for the province.

How this will impact you

- Be aware ceruloplasmin will no longer be performed at UAH and DSC and will be consolidated at EBL.
- There are no changes to the ceruloplasmin reference interval or how the test is ordered.
- The preferred sample type is Gold SST, although MINT LIHEP PST and RST are also acceptable.
- The analytical measuring range for ceruloplasmin on Siemens Atellica method is 0.05 - 0.90 g/L.

Action Required

- Be aware of the consolidation of ceruloplasmin testing for the province at EBL.

Questions/Concerns

- Edmonton Base Lab Clinical Chemist Team, 825-394-1816, apl.clinicalchemists@aplabs.ca



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Approved by

- Dr. Carolyn O'Hara, Chief Medical Laboratory Officer, APL

Reference

1. Lopez M. H., Royer, A. and Shah N. J. (2023, Feb 24). Biochemistry, Ceruloplasmin, In StatPearls [Internet]. StatPearls Publishing. Retrieved September 25, 2025, from <https://www.ncbi.nlm.nih.gov/books/NBK554422/>