

DATE:	13 May 2024
TO:	Calgary and South Zones (sites that refer to Diagnostic and Scientific Centre in Calgary): All healthcare professionals and providers and laboratory staff
FROM:	Clinical Biochemistry, Alberta Precision Laboratories (APL)
RE:	Reference Interval Update for Ceruloplasmin and Sex Hormone Binding Globulin

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- Effective May 21, 2024, reference intervals (RI) for ceruloplasmin and sex hormone binding globulin (SHBG) will be standardized provincially. There will be an updated RI with the results from the Diagnostic and Scientific Centre (DSC) in Calgary following changes in testing instrument.

Test Name	Updated Reference Interval
Ceruloplasmin	0.20 – 0.66 g/L
Sex Hormone Binding Globulin	Male: 6 – 65 nmol/L Female: 18 – 130 nmol/L Unknown and Gender X: Interpretive Comment

Background

- Due to retirement of an instrument, tests previously performed on this older instrument will be redistributed to newer instrumentation.
- This move will enable provincial test standardization and improved instrument utilization.

How this will impact you

- Updated reference intervals will change interpretation for some test results performed at the DSC.

Action Required

- No specific actions are required.

Questions or Concerns may be directed to

- Dr. Dennis Orton, Clinical Biochemist, Calgary, APL, 403-770-3219 | dennis.orton@aplabs.ca
- Dr. Michael Reid, Clinical Biochemist, Calgary, APL, michael.reid@aplabs.ca

Reviewed and Approved by

- Dr. Jessica Gifford, Lead, Chemistry, Hub Lab, South Sector, APL
- Dr. Allison Venner, Clinical Biochemistry Section Chief, South Sector, APL
- Dr. Paul Klonowski Associate Medical Director, Hub Lab, South Sector APL

Effective September 1, 2023, APL has become the sole provider of all public lab services in Alberta. As a result, community lab services formally provided by DynaLIFE Medical Labs will become the responsibility of Alberta Precision Labs (APL). This change impacts all zones.