



Laboratory Medicine Bulletin

New test methods at Mount Saint Joseph Hospital Laboratory
High sensitivity C-Reactive Protein (new) replacing C-Reactive Protein (current)

Effective date November 22, 2021

Routine chemistry tests performed at Mount Saint Joseph Hospital Laboratory are changing from the Ortho VITROS® 350 analyzer to the new Roche cobas Integra® 400 Plus analyzer.

Overall, there are improvements in the standardization and harmonization of routine chemistry test methods between the laboratories at Mount Saint Joseph Hospital and St. Paul's Hospital. There are also improvements in streamlining and automating specimen and quality check workflows.

The only laboratory test with reference interval affected by this transition:

Current (To discontinue)	New (Replacement)	Modification to Reference Range?	Comment
C-reactive protein (CRP)	C-reactive protein, high sensitivity (hsCRP)	Yes	<ul style="list-style-type: none"> • New hsCRP method now available onsite at MSJ laboratory. • This method is also suitable for cardiovascular risk stratification. • New reference ranges reflect the analytical sensitivity for the hsCRP method, and is the same as SPH laboratory. Please refer to laboratory reports for details.

The other laboratory tests that will change methodology but will maintain the same reference interval are: Sodium, Potassium, Chloride, Albumin, Alk Phos, ALT, Total Bilirubin, Total Calcium, Total CO2, CK, Creatinine, GGT, Glucose, Lactate, LD, Lipase, Magnesium, Phosphate, and Urea.

Questions or requests for further information:

Please contact

Angela Fung, PhD FCACB

Clinical Chemist

Clinical Chemistry, Providence Health Care

afung7@providencehealth.bc.ca

Tel. 604-806-8194