



Laboratory Medicine Bulletin

New Standard C-Reactive Protein (CRP) Test at Mount St. Joseph Hospital

August 13, 2018

Starting August 22, 2018, a standard C-reactive protein (CRP) test for rapid inflammation assessment will be available onsite at Mount Saint Joseph (MSJ) laboratory. This will decrease the turnaround time for reporting CRP results from MSJ. This CRP method is based on the principle of enzymatic sandwich immunoassay and is analyzed on the Ortho Clinical Diagnostics VITROS® 350 platform. This CRP method is traceable to ERM® DA470 through ERM® DA472/IFCC.

Specimen Type	Plasma (PST, light green Lithium Heparin)
Analytical Measuring Range (mg/L)	5 - 90

Important note: This rapid, standard CRP test does not have the required analytical sensitivity for cardiovascular risk stratification. If clinically indicated, please contact MSJ laboratory (604-874-1141 Ext: 78266) to request a high sensitive CRP (hsCRP), the specimen will be transported to and analyzed at St. Paul's Hospital (SPH) laboratory. Otherwise, orders from MSJ will default to the rapid standard CRP method, and orders from SPH will default to the high sensitive CRP method.

Reference Range:

Age	CRP (mg/L)
< 2 days	< 5
≥ 2 days	< 10

Interpretation: In acute inflammation, bacterial infections, tissue necrosis, and trauma, CRP rises above 10 and may exceed 100 mg/L.

QUESTIONS? Please do not hesitate to contact us if you have any questions.

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References:

1. 2016 Canadian Cardiovascular Society Dyslipidemia Guideline. Cdn J of Cardiology 32: 1263-1282.