



July 7, 2014

CLINICAL PRACTICE CHANGE

Change in Analyzer for SERUM FREE LIGHT CHAIN TEST

Effective date: July 17, 2014

The Immunology Laboratory HSC will be transferring serum free light chain testing from the current Immage^{TD} nephelometer to the SPA PLUS^{TD}.

Due to the biology of free light chains, tendency to non-linearity, and matrix effects, samples may give different values when different analyzers and/or different dilutions are used. The new analyzer limits these effects by having an extended measuring range at both ends of the analytical range.

Users may expect minor changes in follow up samples submitted after the change-over.

In rare patients, there may be atypical sample kinetics which could give significantly different results depending on the analyzer used. Therefore, clinically unexpected or discrepant results should be interpreted taking this under consideration, and should be correlated with other parameters. In these cases, the first result from the new analyzer should be considered baseline.

Results reported starting July 17th, 2014 will be generated from the new analyzer.

Sample requirements and reference ranges remain unchanged. Turn-around-time is expected to improve to 1-5 working days, depending upon the day of specimen receipt.

Please refer to following link for specifics on this test.

<https://apps.sbgh.mb.ca/labmanualviewer/viewTest.action?url=/test/4432>

Please contact the undersigned with any questions or concerns:

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