



MEMORANDUM

TO: All HHS and SJH Physicians

FROM: Catherine Hayward, Head, Regional Coagulation Laboratory
Karen Moffat, Technical Specialist, Coagulation
Shannon Bates - Discipline Director (Hematology)

DATE: October 6, 2014

**RE: HIGH MOLECULAR WEIGHT KININOGEN LEVELS NOT AVAILABLE
UNTIL FURTHER NOTICE**

Due to a manufacturer issue, the HRLMP Special Coagulation laboratory is unable to obtain high molecular weight kininogen (HMWK) deficient plasma, which is essential for measuring the levels of this coagulation factor. Accordingly, HMWK factor levels are unavailable until further notice.

The clinical impact should be minimal as HMWK deficiency is a very rare cause of a prolonged APTT, involving the contact pathway. Furthermore, HMWK deficiency is not associated with bleeding. If investigations are required to evaluate a potentially clinically significant cause of an unexplained prolonged APTT, we recommend ordering a factor VIII, factor IX, factor XI and also a factor XII level, as factor XII deficiency (which doesn't cause bleeding) is one of the more common abnormalities. Prekallikrein levels remain available for investigating patients in whom deficiencies of factors VIII, IX, XI and XII are already excluded.

If you have any questions about this, or any other coagulation laboratory issue, please contact Karen Moffat, Technical Specialist, Coagulation at 905-521-2100 Ext, 73124 or moffat@hhsc.ca

Thank you.