

# Provincial Laboratory Services



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**Health PEI**  
One Island Health System

## Quantitative Troponin T reporting

June 30, 2020

**This information applies to:** *Island Physicians, Nurse Practitioners and Nursing at KCMH, CHO, WH, PCH*

Timely measurement and reporting of cardiac troponin in patient blood is a crucial service provided by the Clinical Chemistry Laboratory. At KCMH, SH, WH, and CHO Troponin T is exclusively measured using a “Roche h232” instrument. PCH also has a Roche h232 used only when the high sensitivity Troponin T instrument is unavailable. Current practice is that values measured between 40-100 ng/L on the Roche h232 are reported qualitatively as either “<50” or “50-100 ng/L”, the latter of which is considered “equivocal” in the laboratory comment that is appended to every result. Values  $\geq 50$  ng/L are treated as critical values.

**A formulation change allows the Roche h232 to quantify Troponin T between 40-100 ng/L. Effective July 6th, 2020 Health PEI labs using the Roche h232 Troponin T assay will report numerical Troponin T values from 40-100 ng/L, and patient values in this interval are considered “equivocal” for interpretive purposes. Troponin T values  $\geq 50$  ng/L will continue to be treated as critical, and all measurable values (i.e. 40-2000 ng/L) will appear ‘red’ in Powerchart.**

Please note that in a limited comparison, Troponin T values measured using the h232 were approximately 8 ng/L lower than high sensitivity Troponin T in the 50-100 ng/L range.

### **For more information, contact:**

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