



# Memorandum

**To:** Clients / DLS Staff

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DLS Medical Director

**Date:** October 3, 2013

**Subject:** Troponin I Endpoint Dilution

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Beginning October 7, 2013, the QMC Laboratory will be adjusting the format for reporting Troponin I.

The lab will report and release the initial Troponin I result as per current routine. However, for patient samples where the Troponin I is greater than 50 ng/mL, the lab will automatically titer the Troponin I concentration to endpoint and will report the final absolute value below the original greater than 50 ng/mL result. This will hopefully allow clinicians to still triage patients based on the initial result, and in addition now provide the absolute concentration which can help with prognosis.

## Sample report:

Tests	Results	Reference Values
Troponin I (qmc)	>50.00 H ng/mL	< 0.05
TNI Endpoint Dilution	121.26 H ng/mL	< 0.05

*Note: The coefficient of variation (imprecision) at 0.05 ng/mL is approximately 10%. Serial sampling is recommended to detect the temporal rise and fall of Troponin levels characteristic of MI.*

If you have any questions please contact DLS Client Services at 589-5101 or Dr. Wesley Kim at 589-5131.