



Memorandum

Date: March 5, 2015
To: Calgary Zone Clinicians
From: CLS Clinical Biochemistry/ Hematology Sections
Re: Changes to the Routine Macroscopic Urinalysis Reporting

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Key Messages:

Routine Urinalysis instrumentation is changing within Calgary Laboratory Services at the following sites only:

- Diagnostic and Scientific Centre (DSC)
- Foothills Medical Centre (FMC)
- Rockyview General Hospital (RGH)
- Peter Lougheed Centre (PLC)
- South Health Campus (SHC)

The new instrumentation – iRICELL (iChemVELOCITY and iQ200Sprint) will be in effect at the DSC, on Saturday March 14, 2015.

The remaining sites changing their instrumentation will be completed by May 21, 2015.

Importance/Impact:

With this change in instrumentation, there will be a slight difference in the reporting of blood, glucose and protein parameters within the Routine Urinalysis test code (U) at the **above mentioned sites only**. All other sites within the Calgary Zone will continue to report as per current reporting system.

Test	New Reporting System	Old Reporting System
Blood	Negative, small, moderate and large	Negative, trace, small, moderate and large
Glucose	Negative, 2.8 mmol/L, 8.3 mmol/L and ≥ 28 mmol/L	Negative, 5.5 mmol/L, 14.0 mmol/L, 28.0 mmol/L and ≥ 55 mmol/L.
Protein	Negative, 0.3 g/L, 1.0 g/L, and ≥ 5.0 g/L	Negative, Trace, 0.3 g/L, 1.0 g/L and ≥ 3.0 g/L

There is no change to the current reference ranges for blood, glucose and protein.

Inquiries and feedback may be directed to:

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This memorandum has been reviewed and approved by:

Dr. H. Sadrzadeh, CLS Clinical Section Chief, Clinical Biochemistry