



Partner Update

July 2026

Update to chemical and microscopic urinalysis instrumentation – British Columbia

Audience

Healthcare providers and hospitals requesting chemical and microscopic urinalysis.

Overview

The Dynacare vision is to be Canada’s health and wellness solutions leader. Effective August 10th, 2026, Dynacare will update the instrumentation for chemical and microscopic urinalysis. As a result, there will be several changes to reporting.

Details

Dynacare will implement urinalysis testing using the Sysmex UN3000 which includes the Clinitek Novus for chemical urinalysis and the Sysmex UF-5000 and UD-10 for microscopic urinalysis. The following changes will occur:

Preanalytical

Please note that urinalysis testing will be provided as per the Standard Out-Patient Laboratory Requisition (SOPLR), Form # HTLH 1901, Version 2026/01/01. Therefore, we will no longer provide microscopic urinalysis when the dipstick is positive. If this option is ordered using a previous version of the SOPLR, only macroscopic urinalysis will be performed.

Chemical/Dipstick urinalysis

Chemical urinalysis will be performed on the Clinitek Novus (no change in instrumentation). Please note urine bilirubin and urobilinogen will no longer be reported. There will be no changes to reporting in pH and nitrites. Changes in reporting include the following:

Instrument	Analyte	Current reporting	New reporting
Clinitek Novus	Glucose	Neg, Trace, 1+, 2+, 3+	Neg, 5.5, 14, 28, ≥55 mmol/L
	Ketone	Neg, Trace, 1+, 2+, 3+	Neg, Trace, Small, Moderate, Large
	Specific gravity	≤1.005 to ≥1.030 (0.05 increments)	≤1.005 to ≥1.030 (0.01 increments)
	Blood	Neg, Trace, 1+, 2+, 3+	Neg, Trace, Small, Moderate, Large
	Protein	Neg, Trace, 1+, 2+, 3+	Negative, Trace, 0.3, 1.0, ≥3.0 g/L The practice of confirmation of protein when pH ≥ 8.0 will be discontinued
	Leukocytes	Neg, Trace, 1+, 2+, 3+	Neg, Trace, Small, Moderate, Large

Microscopic analysis

We will transition microscopic urinalysis from the Siemens UAS800 to the Sysmex UF-5000 and UD-10 and will introduce reporting of two new urine parameters including epithelial cells non renal and casts. Trichomonas will no longer be reported by microscopic urinalysis. Changes in reporting include the following:

Instrument	Analyte	Current reporting	New reporting
Sysmex UF-5000	*Red blood cells	Semiquantitative 0-2, 3-5, 5-10, 10-25, 25-50, 50-100, >100 RBC/HPF	Semiquantitative 0-2, 3-5, 6-10, 11-25, >25 RBC/HPF
	*White blood cells	Semiquantitative 0-5, 5-10, 10-25, 25-50, 50-100, >100 WBC/HPF	Semiquantitative 0-2, 3-5, 6-10, 11-25, >25 WBC/HPF
	*Bacteria	Semiquantitative, 1+, 2+, 3+, 4+ Reported only when >40 cell/HPF	Semiquantitative, Neg, Few Moderate, Numerous Will be reported with every sample
	*Epithelial cells non renal	Semiquantitative	New parameter - Provides a total count of epithelial cells, including squamous and transitional cells
	**Casts	Semiquantitative, HPF	New parameter – provides a total count of casts, reported only when casts are observed, LPF
Sysmex UD-10	Cast type	Semiquantitative	Cast type will be reported qualitatively as "Present" if observed
	Crystal type	Semiquantitative	Crystal type will be reported qualitatively as "Present" if observed
	Yeast	Semiquantitative	Qualitatively as "Present" if observed
	Renal epithelial cells	Semiquantitative	Qualitatively as "Present" if observed

*, will always be reported for microscopic urinalysis

**, will be reported only when casts are identified

Action Required

British Columbia healthcare partners are asked to update test mapping where applicable. Ensure samples for urinalysis are collected in preserved tubes.

Questions about the Change?

If you have any questions regarding this communication, please contact Customer Care at **250.763.4813** or your Dynacare Account Manager.

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