



Date: April 6, 2020
To: Physicians, Nursing Staff, Laboratory Staff in Edmonton Zone, La Crete Health Centre, Northern Lights Regional Health Centre, Northwest Health Centre, St. Teresa General Hospital
From: Clinical Biochemistry, North Sector, Alberta Precision Laboratories (APL) and DynaLIFE Medical Laboratories
Re: Connect Care Urinalysis reporting standardization

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Key Message:

- With Connect Care implementation, urinalysis reporting is being provincially standardized to report in SI units. Numeric results will now be reported for macroscopic (dipstick) results instead of the 1+/2+/3+ reporting scheme previously used in Edmonton zone.

Why this is important:

- Laboratories that have moved to EPIC in **Wave 1** (listed in table) will now only report urinalysis in SI units.
- This new urinalysis reporting will begin when the non-wave 1 performing laboratory moves to EPIC in subsequent waves.

Action Required:

- Be familiar with the new reporting units for urinalysis, and refer to the table below for conversion between the old and new reporting units.

Inquiries and feedback may be directed to:

- Dr. Albert Tsui, Clinical Biochemist, North Sector, APL, albert.tsui@aplabs.ca, 587-782-2674
- DynaLIFE Clinical Chemists, clinical.chemists@dynalife.ca, 780-451-3702 ext 3572

This bulletin has been reviewed and approved by:

- Dr. Kareena Schnabl, Clinical Biochemistry Section Chief, North Sector, APL
- Dr. Mathew Estey, Director of Clinical Chemistry, DynaLIFE Medical Labs



	Edmonton zone/Dynalife old reporting scheme	ConnectCare Provincially Standardized Reporting		
Analyzer	All	IRIS - Velocity	Clinitek	Reference Interval
Performing Lab	All	Dynalife Baselab University of Alberta Hospital	Cross Cancer Institute Dynalife Boyle McCauley Dynalife Camrose Dynalife Lloydminster East Edmonton Health Centre La Crete Health Centre Northern Lights Regional Health Centre Northwest Health Centre St. Theresa General Hospital	
Ascorbic Acid	Not applicable Not applicable	1.14 mmol/L 2.28 mmol/L	Not applicable Not applicable	Not Applicable
Glucose	Negative Trace 1+ 2+ 3+	Negative Not applicable 2.8 mmol/L 8.3 mmol/L ≥28 mmol/L	Negative 5.5 mmol/L 14 mmol/L 28 mmol/L ≥ 55 mmol/L	Negative
Ketones	Negative Trace 1+ 2+ 3+	Negative Trace 2.0 mmol/L ≥7.8 mmol/L Not Applicable	Negative Trace 1.5 mmol/L 3.9 mmol/L ≥7.8 mmol/L	Negative
Protein	Negative Trace 1+ 2+ 3+	Negative Not applicable 0.3 g/L 1.0 g/L ≥3.0 g/L	Negative Trace 0.3 g/L 1.0 g/L ≥3.0 g/L	Negative
Leukocyte Esterase	Negative Trace 1+ 2+ 3+	Negative 25 Leu/μL 75 Leu/μL 250 Leu/μL 500 Leu/μL	Negative 15 Leu/μL 70 Leu/μL 125 Leu/μL 500 Leu/μL	Negative
Blood	Negative Trace Trace 1+ 2+ 3+	Negative Not applicable Not applicable 5-10 Ery/μL 50 Ery/μL 300 Ery/μL	Negative Trace-Lysed Trace-Intact 25 Ery/μL 80 Ery/μL 200 Ery/μL	Negative
Nitrite	Negative Positive	Negative Positive	Negative Positive	Negative

Not Applicable: Indicates this value is not a reporting option by the analyzer/dipstick