

To: Medical Staff, House Staff, Patient Care Centers, and Outpatient Clinics

From: Kara Newton, Director of Core Laboratories

Sandeep Gurbuxani MBBS, PhD., Medical Director of Hematology Laboratory

Date: 2/27/2023

Subject: New Urinalysis Method Go-live

Effective Date: 3/8/2023

Laboratory Section: Hematology

Summary:

On 3/8/2023, the Clinical Hematology Laboratory will go live on new updated urinalysis analyzer. This system will replace existing instrumentation that has experienced significant reagent shortages due to supply issues.

The new methodology provides increased sensitivity for various analytes allowing for additional result stratification for chemistry parameters including bilirubin, blood, glucose, ketones, nitrite, protein, and urobilinogen. See attached appendix for specific details. Parameters resulting in reflex cultures are unchanged.

The microscopic methodology will remain the same.

Questions: If there are any questions regarding this notice, please contact: Kara Newton, Director of Core Laboratories and Sandeep Gurbuxani MBBS, PhD., Medical Director of Hematology Lab.



Analyte	Old Method Results		New Method Results
Nitrite	Negative	→	Negative
	Positive	→	1+ 2+

Protein	Negative	→	Negative Trace
	1+	→	1+
	2+	→	2+
	3+	→	3+ 4+

Glucose	Negative	→	Negative
	1+	→	Trace 1+
	2+	→	2+
	3+	→	3+ 4+

Ketones	Negative	→	Negative
	Trace	→	Trace
	1+	→	1+ 2+
	2+	→	3+ 4+

Bilirubin	Negative	→	Negative
	1+	→	1+ 2+
	2+	→	3+ 4+

Blood	Negative	→	Negative Trace
	1+	→	1+
	2+	→	2+
	3+	→	3+

Urobilinogen	0.2	→	Normal
	2.0	→	2.0
	4.0	→	4.0
			8.0 12.0

Legend

green highlight indicates new result category