

Change in Reporting of Urinalysis Results

Effective Date: January 3, 2017

Effective January 3, 2017 Beaumont Health Laboratories at Grosse Pointe, Royal Oak and Troy will change reporting of Urinalysis testing for both dipstick (chemical) and microscopic results. This change is being made in conjunction with the Soft Lab Information System update taking place at Farmington Hills on January 15, 2017. The UA update becomes effective at Farmington Hills on January 15, 2017.

Dipstick test	Resulting from Grosse Pointe, Royal Oak, Troy	Resulting from Farmington Hills
Glucose	Negative, 100, 250, 500, \geq 1000 mg/dL	Negative, 50, 150, \geq 500 mg/dL
Bilirubin	Positive or Negative	Positive or Negative
Ketones	Negative, 5, 15, 40, \geq 80 mg/dL	Negative, 5, 20, \geq 80 mg/dL
Specific gravity	Numeric value	Numeric value
Blood	Negative, Trace, 1+, 2+, 3+	Negative, Trace, 1+, 2+, 3+
pH	Numeric value	Numeric value
Protein	Negative, 15, 30, 100, \geq 300 mg/dL	Negative, 30, 100, \geq 500 mg/dL
Urobilinogen	0.2, 1.0, 2.0, 4.0, \geq 8.0 mg/dL	< 2.0, 2.0, 4.0 mg/dL
Nitrite	Positive or Negative	Positive or Negative
Leukocyte esterase	Negative, Trace, 1+, 2+, 3+	Negative, Trace, 1+, 2+, 3+
Ketones, critical (\geq 8 days)	\geq 80 mg/dL	\geq 80 mg/dL
Ketones, critical (\leq 7 days)	\geq 15 mg/dL	\geq 20 mg/dL

Microscopic reporting

The breakdown for reporting of elements seen on microscopy will also change – cells and casts will always be reported as ranges (e.g. 6 – 10/hpf) rather than an absolute number. Bacteria will be reported as negative, then 1+ to 4+.

Reference ranges for red cells, white cells and hyaline casts have changed and are listed below. Reporting of other elements will remain the same.

Microscopic element	Reference range
Red blood cells	0 – 2/high power field
White blood cells	0 – 2/high power field
Hyaline casts	0 – 2/low power field

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Internal URL to Laboratory Bulletins:

http://employee.beaumont.edu/portal/pls/portal/ip30dev.page_pkg.page?xid=lab_bulletins

External URL to Laboratory Bulletins:

<http://beaumontlaboratory.com/hospitals-laboratories-three/test-information-center/laboratory-bulletins/>

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

Date submitted: December 21, 2016

Submitted by: Elizabeth Sykes, MD, Medical Director, Automated Chemistry & Special Testing, Royal Oak
Hongwei Ma, MD, Medical Director, Hematology, Troy
LeiLei Chen, MD, Medical Director, Hematology, Grosse Pointe
Gilbert Herman, MD, PhD, Medical Director, Farmington Hills

Beaumont Laboratory
Customer Service
1-800-551-0488

3601 West 13 Mile Road
Royal Oak, MI 48073-6769

<http://www.beaumont.edu/labs>

468 Cadieux
Grosse Pointe, MI 48230

44201 Dequindre Road
Troy, MI 48085-1198