

Urinalysis Microscopic Review/ Urine Culture Screen Change

- Urine samples are tested for: urine clarity, color, specific gravity, pH, leukocyte esterase, nitrite, protein, hemoglobin, bilirubin, glucose, and ketones
- All urine samples are evaluated microscopically for: organisms, casts, and crystals
- Often the microscopic evaluation is used to look for bacteria (although this has low sensitivity and specificity for clinically significant bacteriuria)
- In patients with both negative leukocyte esterase and negative nitrite, the likelihood of clinically significant bacteriuria is extremely low (0.15%-0.4% rate of clinically significant positive cultures)



Urinalysis with reflex microscopic evaluation (LAB348)

- Starting **December 14th**, microscopic evaluation of a urine specimen will **only** be performed when leukocyte esterase, nitrite, or hemoglobin is positive on the automated urinalysis testing.
- Requests for microscopic evaluation of a specific urine specimen regardless of the urinalysis testing results can be made by calling the chemistry laboratory (464-6822 Downtown or 492-5531 Community)

Urinalysis with reflex urine culture (LAB2859)

- Reflex urine cultures will be performed if either **leukocyte esterase or nitrite** is positive

Urine culture (LAB239)

- Separately ordered urine cultures will be performed as ordered regardless of urinalysis results

