



LAB ALERT

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Pathology and Laboratory Medicine

Test: Urinalysis and Urinalysis with Culture Reflex

Facility: BMC & JMC

System lab urinalysis working group has standardized all reportable components and nomenclature for macroscopic and microscopic urinalysis (UA). The changes align with best practice and were disseminated through *The Appetizer* on 12/29/2025.

Simultaneously with the UA changes, WVU Medicine Infection Prevention and Antimicrobial Stewardship teams have collaborated to align culture reflex criteria (see Refined Urinalysis Reflex to Culture Criteria attachment distributed by Dr. Edmond on 12/31/2025). Culture will reflex based only on pyuria to limit detection of asymptomatic bacteriuria. WBC count greater than 10/HPF will reflex to culture unless an indication for mandatory culture is selected.

In summary, UA orderables have been reduced to two options, which will be dictated by the performing lab's level of automation:

1. Automated labs (BMC) will always run macroscopic and microscopic UA
 - a. LAB1230154 **will** reflex to culture if WBC > 10
 - b. LAB348 **will not** reflex to culture
2. Non-automated labs (JMC) will still run macroscopic UA that reflexes to microscopic UA when any appropriate indications are present (positive leukocyte esterase, protein, nitrite, or blood)
 - a. LAB304001 **will** reflex to culture if WBC > 10
 - b. LAB304756 **will not** reflex to culture

All locations will now have access to SmartGroup order in which exceptions for mandatory culture might be selected:

Automatic urine culture order indications (for no applicable indication listed here, all other urine cultures will reflex >10 WBC)

Neutropenic Pediatric Urologic procedure Renal transplant < 30 days Pregnancy

No applicable indications for automatic urine culture

*For questions call BMC Lab at 304-264-1212, option #7, or JMC Lab at 304-728-1759

Effective Date: January 7, 2026