

New Urine Culture Orders

Effective December 10, 2024: In efforts to decrease unnecessary urine cultures, inappropriate treatment of asymptomatic bacteriuria, and CAUTI rates, a new process for urine studies is being implemented at Kent and Women & Infants Hospitals.

Urine culture will only be considered if looking for infection.

When "Urinalysis w/Umicro & Culture if Indicated" is ordered, the culture will only be performed if UA WBC ≥ 10

- Urinalysis will be performed first
- Urine culture will **only** be performed if WBC ≥ 10
- Urine will be held in the lab for 24 hours

EXCEPT:

Urine Culture will be run regardless of WBC count if one of the three following indications is selected:

- Pregnancy
- Urologic Procedure bleed anticipated
- Neutropenic with urinary symptoms

If urinalysis needed for reason other than infectious assessment, order urinalysis (with or without microscopy). This will **NOT** reflex to culture.

Three Orderable Options:

1. Urinalysis w/microscopy
 - Does **NOT** reflex to culture
2. Urinalysis w/microscopy, if indicated
 - Does **NOT** reflex to culture
3. Urinalysis w/Umicro & Culture if Indicated
 - Will reflex to culture only if at least 10 WBC in urinalysis **OR** indication for test is pregnancy, urologic procedure bleed anticipated, or neutropenic with urinary symptoms.
 - This is the only order that will get a culture. (There is no urine culture standalone order anymore).
 - Will be required to select a reason for culture when ordering. (If select "other indication" a pop up to document indication will display. This documentation will be reviewed by the urine stewardship committee).

These changes apply to Emergency Department and All Adult Inpatient Units.

This does NOT apply to NICU, Newborn Nursery, or Outpatient Settings.

Reach out to Infectious Disease or Infection Prevention for Comments/Concerns.

Suspect Infection?

Yes

Order "Urinalysis w/Umicro & Culture if Indicated"

Urine culture will only be run if WBC 10 or more

***EXCEPT:**

- Pregnancy
- Urologic Procedure bleed anticipated
- Neutropenic with urinary symptoms selected as indication

The culture will run regardless of WBC if one of these three indications selected.

No

Order "urinalysis w/microscopy"
or
"urinalysis w/microscopy if indicated"

Regardless of urinalysis results, will **never** reflex to culture order.

*Reflex to **microscopy** if:

- Leukocytes not Negative
- Nitrite = Positive
- Protein >10 mg/dl
- Blood > Trace
- Appearance= Turbid, cloudy

If the order does not have the word "culture" in it- there will NEVER be a culture from the urine. The only way to get a culture is by ordering "urinalysis w/Umicro & culture if indicated". No other orders reflex to urine culture.