

# URINARY TRACT INFECTION (UTI)



(PCR) Assays are the most commonly used molecular technique to detect and study microbes. As compared to other methods, real time PCR and analysis are definitive, reliable, accurate, and fast. OmniHealth Diagnostics uses the most advanced leading edge technology to perform infectious Diseases testing.

## TEST INCLUDES

- Acinetobacter baumannii
- Bacteroides fragilis
- Citrobacter braakii/freundii
- Citrobacter koseri
- Enterobacter cloacae
- Enterococcus spp.
- Escherichia coli
- Klebsiella aerogenes
- Klebsiella oxytoca/michiganensis
- Klebsiella pneumoniae
- Morganella morganii
- Proteus mirabilis
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis
- Staphylococcus saprophyticus
- Streptococcus pyogenes (Group A)

## ABX Resistance Markers

- Class A  $\beta$ -lactamase (blaKPC)
- Class A  $\beta$ -lactamase (CTX-M-Grp 1)
- Class B metallo-  $\beta$ -lactamase (blaNDM)
- Vancomycin vanA
- Vancomycin vanB
- Methicillin/Oxacillin (mecA)
- Sulfonamides
- Fluoroquinolones
- Trimethoprim

## EXPECTED TURN AROUND TIME

2-3 Days

## SPECIMEN

Urine

## VOLUME

10 mL

## CONTAINER

Yellow Top Vacutainer



## COLLECTION

### NON-CLEAN-CATCH PROCEDURE

- A first morning sample or sample collected longer than 1-2 hours since prior urination maximizes sensitivity of detecting urinary system pathogens.

### PATIENT INSTRUCTIONS

- Wash hands thoroughly with warm water and soap.  
Females: Holding labia apart, collect first ~10-25 mL urine into provided sterile urine cup (not included).  
Males: Retract foreskin (as applicable), collect first ~10-25 mL urine into provided sterile urine cup.
- Securely place cap on urine cup, and give to the clinical technician.

### CLINICAL TECHNICIAN INSTRUCTIONS

- Put on sterile gloves.
- Using a sterile plastic transfer pipette (not provided), Swirl the pipette 10-15 times to mix the sample.
- Use the transfer straw to draw up urine from cup or tube. While the straw is immersed, insert the vacuette into the straw device to draw up the urine.
- Fill tube to the top
- Place a label with two patient identifiers on the tube.



## STORAGE/TRANSPORT INSTRUCTIONS

- Place all samples collected for the day into a provided UPS/FedEx Lab Pak mailer. Seal the mailer and place a shipping label on the outside.

## STABILITY

5 Days

## REJECTION REASONS

- There are not two patient identifiers that match the requisition form on the tube
- Incorrect specimen collection container
- Insufficient specimen quantity
- Transported incorrectly