

**Patient Information**

Name: TEST, UTI  
DOB: 01/01/1981  
Gender: Female  
MRN:

**Sample Information**

Specimen ID: 14  
Type: Urine  
Collected: 12/27/2022  
Received: 12/28/2022    Reported:

**Clinic Information**

Client:  
Site:  
Physician:

**Detailed Results Summary**

Molecular	Results
Citrobacter braakii/freundii	Detected
Escherichia coli	Detected

**Tested Assay Results**

Pathogen	Results	Qualitative
<i>Acinetobacter baumannii</i>	Not Detected	Negative
<i>Bacteroides Fragilis</i>	Not Detected	Negative
<b>Citrobacter braakii/freundii</b>	<b>Detected</b>	<b>Positive</b>
<i>Citrobacter koseri</i>	Not Detected	Negative
<i>Enterobacter cloacae</i>	Not Detected	Negative
<i>Enterococcus spp.</i>	Not Detected	Negative
<b>Escherichia coli</b>	<b>Detected</b>	<b>Positive</b>
<i>Klebsiella oxytoca/michiganensis</i>	Not Detected	Negative
<i>Klebsiella pneumoniae</i>	Not Detected	Negative
<i>Morganella morganii</i>	Not Detected	Negative
<i>Proteus mirabilis</i>	Not Detected	Negative
<i>Pseudomonas aeruginosa</i>	Not Detected	Negative
<i>Serratia marcescens</i>	Not Detected	Negative
<i>Staphylococcus aureus</i>	Not Detected	Negative
<i>Staphylococcus epidermidis</i>	Not Detected	Negative
<i>Staphylococcus saprophyticus</i>	Not Detected	Negative
<i>Streptococcus pyogenes (Group A)</i>	Not Detected	Negative

**Disclaimer:**  
Nail/Fungal/Wound/UTI/RPP detections performed by Real-Time Polymerase Chain Reaction (PCR) method. These tests were developed and performance characteristics determined by Coronado Labs. They have not been cleared or approved by the FDA. However, such approval/clearance is not required, as the laboratory is regulated and qualified under CLIA to perform high-complexity testing. These tests are used for clinical purposes and should not be graded as investigational or for research.

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Class (Gene Name)	Lab Result (Qualitative)	Resistance Gene Targets Identified	Associated Resistances Antibiotics to Avoid
<b>UTI Panel Antibiotic Resistance Markers</b>			
Class A beta-lactamase (CTX-M-Group 1)	Not Detected	blaCTX-M-1,3,10,12,15,22,23,28; blaFEC-1	Aztreonam, Cephalosporins, Penicillins
Trimethoprim	Not Detected	dfrA1; dfrA5; dfrA11; dfrA17	Primisol
Class A beta-lactamase (blaKPC)	Not Detected	KPC-2-8,10,11,13,22,24-33	Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors, Aztreonam
Methicillin/Oxacillin (mecA)	Not Detected	mecA	Oxacillin
Class B metallo-beta-lactamase (blaNDM)	Not Detected	NDM(1-21)	Beta-lactamase inhibitors, Carbapenems, Cephalosporins, Penicillins
Fluoroquinolones	Not Detected	qnrS 1-5,7-9, qnrB Group1; qnrB Group5	Ciprofloxacin, Gemifloxacin, Levofloxacin, Moxifloxacin, Norfloxacin, Ofloxacin
Sulfonamides	Not Detected	sul1; sul2; sul3	Sulfadiazine, Sulfamethizole, Sulfasalazine, Sulfisoxazole
vanA (Vancomycin)	Not Detected	vanA	Vancomycin
vanB (Vancomycin)	Not Detected	vanB	Vancomycin