

# GUIDANCE<sup>®</sup> UTI

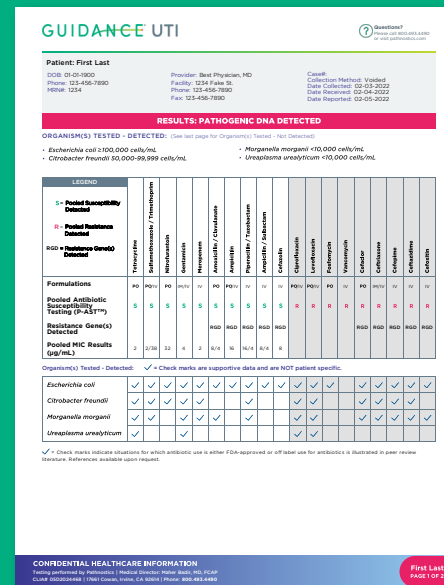
Combines the sensitivity of PCR for organism identification and antibiotic resistance gene detection with a unique technology called Pooled Antibiotic Susceptibility Testing (P-AST™)

Clinically proven to better address polymicrobial infections where bacterial interactions can impact antibiotic resistance



# GUIDANCE<sup>®</sup> UTI

The Guidance<sup>®</sup> UTI report displays personalized therapy options to help speed the road to recovery.



More informed treatment decisions in less than one day\*

RECURRENT, PERSISTENT, OR COMPLICATED UTI  
ELEVATED RISK  
RULE OUT INTERSTITIAL CYSTITIS

\*from receipt at lab when specimen collected as instructed

# EASY TO READ REPORT FOR PERSONALIZED THERAPY OPTIONS

**1 Formulations:** Antibiotic formulations are listed as PO (oral), IM (intramuscular), and IV (intravenous). PO formulations are bolded to help identify oral antibiotics.

**2 Pooled Antibiotic Susceptibility Testing (P-AST™):** Personalized therapy options can be quickly identified by referencing the P-AST™ results. “S” denotes antibiotics that showed susceptibility and are listed on the left; “R” denotes antibiotics that are resistant and are listed on the right.

**3 Resistance Gene(s) Detected:** Antibiotics that have resistance detected are denoted by “RGD”.

**4 Supporting evidence:** Checkmarks are present if the antibiotic has supporting evidence or FDA approval for use with the organism.

## GUIDANCE UTI

**Questions?**  
Please call 800.493.4490  
or visit [pathnostics.com](https://pathnostics.com)

**Patient: First Last**

DOB: 01-01-1900  
Phone: 123-456-7890  
MRN#: 1234

Provider: Best Physician, MD  
Facility: 1234 Fake St.  
Phone: 123-456-7890  
Fax: 123-456-7890

Case#: [redacted]  
Collection Method: Voided  
Date Collected: 02-03-2022  
Date Received: 02-04-2022  
Date Reported: 02-05-2022

### RESULTS: PATHOGENIC DNA DETECTED

**ORGANISM(S) TESTED - DETECTED:** (See last page for Organism(s) Tested - Not Detected)

- *Escherichia coli* ≥100,000 cells/mL
- *Citrobacter freundii* 50,000-99,999 cells/mL
- *Morganella morganii* <10,000 cells/mL
- *Ureaplasma urealyticum* <10,000 cells/mL

| LEGEND                             |              |       |    |                                 |    |     |                |      |            |           |                           |       |            |                           |     |                        |     |           |               |              |            |            |          |             |          |             |           |
|------------------------------------|--------------|-------|----|---------------------------------|----|-----|----------------|------|------------|-----------|---------------------------|-------|------------|---------------------------|-----|------------------------|-----|-----------|---------------|--------------|------------|------------|----------|-------------|----------|-------------|-----------|
| S = Pooled Susceptibility Detected | Tetracycline |       |    | Sulfamethoxazole / Trimethoprim |    |     | Nitrofurantoin |      | Gentamicin | Meropenem | Amoxicillin / Clavulanate |       | Ampicillin | Piperacillin / Tazobactam |     | Ampicillin / Sulbactam |     | Cefazolin | Ciprofloxacin | Levofloxacin | Fosfomycin | Vancomycin | Cefaclor | Ceftriaxone | Cefepime | Ceftazidime | Cefoxitin |
| R = Pooled Resistance Detected     | PO           | PO/IV | PO | IM/IV                           | IV | PO  | PO/IV          | IV   | IV         | IV        | PO/IV                     | PO/IV | PO         | IV                        | PO  | IM/IV                  | IV  | IV        | IV            | PO           | IM/IV      | IV         | IV       | IV          | IV       | IV          | IV        |
| RGD = Resistance Gene(s) Detected  | S            | S     | S  | S                               | S  | S   | S              | S    | S          | S         | RGD                       | RGD   | RGD        | RGD                       | RGD | RGD                    | RGD | RGD       | RGD           | RGD          | RGD        | RGD        | RGD      | RGD         | RGD      | RGD         | RGD       |
| Pooled MIC Results (µg/mL)         | 2            | 2/38  | 32 | 4                               | 2  | 8/4 | 16             | 16/4 | 8/4        | 8         |                           |       |            |                           |     |                        |     |           |               |              |            |            |          |             |          |             |           |

Organism(s) Tested - Detected: ✓ = Check marks are supportive data and are NOT patient specific.

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>4</b> <i>Escherichia coli</i> | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>Citrobacter freundii</i>      | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |   |   |   | ✓ |   |   |   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |
| <i>Morganella morganii</i>       | ✓ | ✓ |   | ✓ | ✓ | ✓ |   |   |   | ✓ |   |   |   |   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>Ureaplasma urealyticum</i>    | ✓ |   |   | ✓ |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ✓ | ✓ |   |   |   |   |   |   |   |   |

✓ = Check marks indicate situations for which antibiotic use is either FDA-approved or off label use for antibiotics is illustrated in peer review literature. References available upon request.

## TEST DETAILS

### ORGANISMS TESTED:

#### BACTERIAL/YEAST ORGANISMS

- *Acinetobacter baumannii*
- *Actinotignum schaalii*
- *Aerococcus urinae*
- *Alloscardovia omnicolens*
- *Candida albicans*
- *Candida auris*
- *Candida glabrata*
- *Candida parapsilosis*
- *Citrobacter freundii*
- *Citrobacter koseri*
- *Corynebacterium riegelii*
- *Enterococcus faecalis*
- *Enterococcus faecium*
- *Escherichia coli*
- *Gardnerella vaginalis*
- *Klebsiella oxytoca*
- *Klebsiella pneumoniae*
- *Morganella morganii*
- *Mycoplasma hominis*
- *Pantoea agglomerans*
- *Proteus mirabilis*
- *Providencia stuartii*
- *Pseudomonas aeruginosa*
- *Serratia marcescens*
- *Staphylococcus aureus*
- *Streptococcus agalactiae*
- *Ureaplasma urealyticum*

#### BACTERIAL GROUPS

- Coagulase-Negative *staphylococci*\*
- Viridans group *streptococci*†
- *Enterobacter group*‡

#### ESBL PHENOTYPE

Positive results presented with *E. coli*, *Klebsiella*, *Enterocobacter*, *Citrobacter*, *Proteus*, *Acinetobacter*, or *Pseudomonas* are detected.

#### MRSA PHENOTYPE§

MRSA phenotypic assay will be performed when *Staphylococcus aureus* and the *mecA* gene are detected.

### POOLED ANTIBIOTIC SUSCEPTIBILITY TESTING (P-AST™) INCLUDES:

- Ampicillin (PO/IV)
- Ampicillin/Sulbactam (IV)
- Amoxicillin/Clavulanate (PO)
- Cefaclor (PO)
- Cefazolin (IV)
- Cefepime (IV)
- Cefoxitin (IV)
- Ceftazidime (IV)
- Ceftriaxone (IM/IV)
- Ciprofloxacin (PO/IV)
- Fosfomycin (PO/IV)
- Gentamicin (IM/IV)
- Levofloxacin (PO)
- Meropenem (IV)
- Nitrofurantoin (PO)
- Piperacillin/Tazobactam (IV)
- Sulfamethoxazole/Trimethoprim (PO/IV)
- Tetracycline (PO)
- Vancomycin (IV)

### ANTIBIOTIC RESISTANCE GENE CLASSES:

- Ampicillin
- Carbapenem
- Extended Spectrum Beta-Lactamase
- Methicillin
- Quinolone/Fluoroquinolone
- Vancomycin

\*Coagulase-Negative *staphylococci*: *Staphylococcus epidermidis*, *Staphylococcus haemolyticus*, *Staphylococcus lugdunensis*, *Staphylococcus saprophyticus*  
 †Viridans group *streptococci*: *Streptococcus anginosus*, *Streptococcus oralis*, *Streptococcus pasteuranus*  
 ‡*Enterobacter group*: *Klebsiella aerogenes* (formally known as *Enterobacter aerogenes*), *Enterobacter cloacae*  
 § Add-on test