

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 Phenotypic Sensitivity: 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 714-966-1221 or visit pathnostics.com

PATHNOSTICS GUIDANCE® UTI: RECURRENT, PERSISTENT, OR COMPLICATED UTI REPORT

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#: PUX121-smp101
Collection Method: Voided
Date Collected: 02-03-2021
Date Received: 02-04-2021
Date Reported: 02-05-2021

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																			
<p>S = Pooled Phenotypic Sensitivity Detected</p> <p>R = Pooled Phenotypic Resistance Detected</p> <p>RGD = Resistance Gene(s) Detected</p>	Tetracycline	Sulfamethoxazole / Trimethoprim	Nitrofurantoin	Gentamicin	Meropenem	Vancomycin	Amoxicillin / Clavulanate	Ampicillin	Piperacillin / Tazobactam	Ampicillin / Sulbactam	Cefazolin	Ciprofloxacin	Levofloxacin	Fosfomycin	Cefaclor	Ceftriaxone	Cefepime	Ceftazidime	Cefoxitin
1 Formulations	PO	PO/IV	PO	IM/IV	IV	IV	PO	PO/IV	IV	IV	IV	PO/IV	PO/IV	PO	PO	IM/IV	IV	IV	IV
2 Pooled Phenotypic Sensitivity	S	S	S	S	S	S	S	S	S	S	S	R	R	R	R	R	R	R	R
3 Resistance Gene(s) Detected							RGD	RGD	RGD	RGD	RGD					RGD	RGD	RGD	RGD
MIC Results (µg/mL)	2	2/38	32	4	2	2	8/4	16	16/4	8/4	8								

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

4 <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 DETECTED:

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*
- *Klebsiella oxytoca*
- *Klebsiella pneumoniae*
- *Morganella morganii*
- *Mycobacterium tuberculosis*
- *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‡

SEXUALLY TRANSMITTED ORGANISMS

- *Chlamydia trachomatis*
- *Neisseria gonorrhoeae*
- *Trichomonas vaginalis*

VIRAL PARTICLES

- BK virus
- HHV-5 (CMV)
- HHV-6
- HHV-1, HHV-2 (HSV 1/2)
- JC virus

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)

GENOTYPE ANTIBIOTIC RESISTANCE GENES INCLUDE:

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

KEY

- Guidance® UTI

- Add-on tests

* 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*