



Patient Information	Physician Information	Sample Information
UTI, Sample Age/Sex: 34/M DOB: 04/14/1990 Pregnancy Status: Not Applicable	Dr. TEST, Sample Location Address Line 1 City, CA 12345 Phone : 999.123.4567 Fax : 999.123.4568	Accession#: TU24-00036 Date Collected: 11/04/2024 Date Received: 11/05/2024 Date Reported: 11/05/2024 Specimen: Voided Urine ICD 10: N39.0

Results: Positive

ORGANISM(S) - DETECTED

- Enterococcus faecalis 50000-100000 CFU/ml
- Pseudomonas aeruginosa ≥100000 CFU/ml
- Staphylococcus aureus 10000-50000 CFU/ml
- Viridans Group Streptococci**** ≥100000 CFU/ml

Report Key	Cephalexin	Ciprofloxacin	Doxycycline	Fosfomycin	Sulfamethoxazole/Trimethoprim	Ceftriaxone	Cefepime	Ceftazidime / Avibactam	Nitrofurantoin	Amikacin	Gentamicin	Cefazolin	Cefoxitin	Penicillin G	Piperacillin / Tazobactam	Vancomycin	Meropenem	Levofloxacin	Amoxicillin / Clavulanate	Ampicillin	Cefaclor	Imipenem	
S = Sensitivity Detected R = Resistance Detected N = No Reference RGD = Resistance Gene(s) Detected																							
Formulation	PO	PO/IV	PO/IV	PO	PO/IV	IM/IV	IV	IV	PO	IV/IM	IM/IV	IV	IV	IV	IV	IV	IV	PO/IV	PO	PO/IV	PO	IV	
Sensitivity result:																							
Enterococcus faecalis	S	S	S	S	S	S	S	S	R	R	S	S	R	R	R	R	R	R	R	R	R	R	R
Pseudomonas aeruginosa	S	S	S	S	S	S	S	S	S	S	R	R	S	S	S	S	S	R	R	R	R	R	R
Resistant Gene result :																							
Organism(s) -Detected: + = Green Plus marks are supportive data and are NOT patient specific																							
Enterococcus faecalis			+						+	+				+	+	+		+	+	+		+	+
Pseudomonas aeruginosa		+					+	+			+		+	+	+		+	+					+
Staphylococcus aureus	+		+		+	+	+					+	+		+	+	+	+	+			+	+
Viridans Group Streptococci****	+		+			+	+	+				+			+	+	+	+	+			+	+

Information about the table:

Green Plusmarks + indicate there is supportive evidence that the antibiotic either FDA approved or off label can be used for treatment. Plusmarks treatment options are not intended to be prescriptive for any specific patient. Appropriate judgement should be exercised by the attending physician before prescribing a course of treatment. N = No reliable antibiotic reference is available for the detected organism. **If an organism is listed in the detected section but not reflected in the sensitivity result table, the organism is either fastidious or failed to grow in vitro and cannot be tested for antibiotic susceptibility.**

PHENOTYPIC SENSITIVITY DETECTED: Amikacin(IV/IM), Cefazolin(IV), Cefepime(IV), Cefoxitin(IV), Ceftazidime / Avibactam(IV), Ceftriaxone(IM/IV), Cephalexin(PO), Ciprofloxacin(PO/IV), Doxycycline(PO/IV), Fosfomycin(PO), Gentamicin(IM/IV), Meropenem(IV), Nitrofurantoin(PO), Penicillin G(IV), Piperacillin / Tazobactam(IV), Sulfamethoxazole/Trimethoprim(PO/IV), Vancomycin(IV)

PHENOTYPIC RESISTANCE DETECTED: Amikacin(IV/IM), Amoxicillin / Clavulanate(PO), Ampicillin(PO/IV), Cefaclor(PO), Cefazolin(IV), Cefoxitin(IV), Gentamicin(IM/IV), Imipenem(IV), Levofloxacin(PO/IV), Meropenem(IV), Nitrofurantoin(PO), Penicillin G(IV), Piperacillin / Tazobactam(IV), Vancomycin(IV)

ANTIBIOTIC RESISTANCE GENES DETECTED:

- Testing performed at 12 Spectrum Pointe Drive Lake Forest, CA 92630 | Medical Director: Henry Tsai M.D, P.h.D.

UTIDX® ReportPatient Name
UTI, SampleAccession Number
TU24-00036Procedure Date
11/04/2024

ANTIBIOTIC RESISTANCE GENES NOT DETECTED: Vancomycin Resistant (Glycopeptic antibiotics) , Extended-Spectrum-β-Lactamase*, Extended-Spectrum-β-Lactamase & Carbapenem Resistance, Methicillin Resistance, Quinolone and Fluoroquinolone Resistance, Sulfonamides Resistance

ORGANISM(S) - NOT DETECTED

Bacteria: Acinetobacter baumannii, Actinobaculum schaalii, Aerococcus urinae, Alloscardovia omnicolens, Citrobacter freundii, Citrobacter koseri, Coagulase negative Staphylococcus**, Corynebacterium riegelii, Enterobacter aerogenes***, Enterobacter cloacae, Enterococcus faecium, Escherichia coli, Klebsiella oxytoca, Klebsiella pneumoniae, Morganella morganii, Mycoplasma hominis, Pantoea agglomerans, Proteus mirabilis, Proteus vulgaris, Providencia stuartii, Serratia marcescens, Streptococcus agalactiae, Ureaplasma urealyticum

FUNGUS: Candida auris, Candida glabrata, Candida parapsilosis, Candida albicans

References:

* Extended Spectrum Beta-Lactamase (ESBL) Resistant genes identified confers resistance across multiple classes of antibiotics including Penicillin derivatives, cephalosporins, monobactams and carbapenems. Refer to the "Resistant Gene Detected" row to identify antibiotics for which the resistance gene may impact. Different ESBLs resistant genes will impact different beta lactam antibiotics in different levels and it is considered in the "Resistant Gene Detected" row.

** Coagulase Negative Staphylococcus includes Staphylococcus saprophyticus, Staphylococcus epidermidis, Staphylococcus haemolyticus.

*** Klebsiella aerogenes (formerly known as Enterobacter aerogenes)

**** Viridans Streptococci group includes Streptococcus anginosus, Streptococcus oralis and Streptococcus pasteurianus, Streptococcus mitis.

Disclaimer: This test was developed and its performance characteristics determined by laboratory. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approvals is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical testing. Urine specimens received greater than 5 days post collection may give unreliable cells/mL counts due to overgrowth of microorganism(s).

Methodology and Clinical Significance: Laboratory utilizes PCR amplification for the targeted detection of organisms. Pathogen ranges are "No Pathogenic DNA Detected", "<10,000", "10,000-50,000", "≥100,000" organism(s) per milliliter of sample. In addition, phenotypic susceptibility results are ascertained for the detected pathogen(s) by employing disk diffusion methods to obtain patient specific results. If an organism is listed in the detected section but not reflected in the sensitivity result table, the organism is either a fastidious organism or organism failed to grow in vitro and cannot be tested for antibiotic sensitivity. Note that antibiotic susceptibility testing is not performed for F-AST UTI orders per physician request.

Final Report signed by EmeritusDX Test on 11/05/2024 at 01:29 PM

- Testing performed at 12 Spectrum Pointe Drive Lake Forest, CA 92630 | Medical Director: Henry Tsai M.D, P.h.D.



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