

PATIENT		SPECIMEN		PHYSICIAN	
Name:	MEDICALDATABASE, TEST	Specimen Type:	sample Type	Name:	Diacarta
D.O.B.:	XX-XX-XXXX	Collection:	XX-XX-XXXX	Address:	Diacarta Address
Age:	NaN _{yrs}	Received:	XX-XX-XXXX	Phone:	1234
Gender:	Female	Reported:	-		
Accession:	2306279991				

UTI Detect Testing Results: **Positive**

Result Summary	Suggested Treatment
Pathogens Detected: › Providencia stuartii › Staphylococcus saprophyticus › Ureaplasma parvum › Acinetobacter baumannii › Proteus mirabilis › Ureaplasma urealyticum › Staphylococcus aureus › Klebsiella oxytoca › Enterococcus faecium › Enterobacter cloacae › Escherichia coli › Treponema pallidum › Enterococcus faecalis › Aerococcus urinae › Proteus vulgaris › Serratia marcescens › *Candida auris › *Candida tropicalis › Pseudomonas aeruginosa › Klebsiella aerogenes › Klebsiella pneumoniae › *Candida krusei › Corynebacterium urealyticum › Citrobacter freundii › *Candida glabrata › Morganella morganii › Streptococcus agalactiae › *Candida albicans	Drug of Choice: Alternative drugs/combination: *Candida sp can be associated with normal flora, therefore, may not usually require treatment. Candida albicans is typically susceptible to Fluconazole, Amphotericin B or Fluctosine.

- › *Candida parapsilosis

Antibiotic Resistance Genes Detected:

- › Methicillin
- › Carbapenem
- › Carbapenem
- › Penicillin & B-lactam
- › Penicillin & B-lactam
- › Vancomycin
- › Trimethoprim / Sulfamethoxazole
- › Trimethoprim / Sulfamethoxazole
- › Carbapenem
- › Quinolone
- › Vancomycin
- › Carbapenem

The information presented in this report is provided as general educational health information. The content is not intended to be a substitute for professional medical advice, diagnosis, or treatment. Only a physician, pharmacist or other healthcare professional should advise a patient on the use of the medications prescribed.

The recommendation of drugs is solely based on laboratory results of identified pathogen and associated antibiotic resistance genes detected and interpreted here by LDS Rx software provided by Medical Database, Inc (www.medicaldatabase.com). The software has not been evaluated by the Food and Drug Administration. The software, and the report generated by the software, is validated to interpretate results from the tested pathogens and antibiotic resistance genes by the lab. The findings are then translated on most common drugs linked to reported antibiotic resistance genes (detected) or not resistance (not detected) reflecting to drug class and list of drugs giving an education recommendation.

The infectious disease pathogen and antibiotic resistance report is one of multiple pieces of information that clinicians should consider in guiding their therapeutic choice for each patient. It remains the responsibility of the health-care provider to determine the best course of treatment for a patient. Adherence to dose guidelines does not necessarily assure a successful medical outcome.

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UTI by Molecular Method Result Summary

PATHOGENS		RESULTS	REFERENCE RANGE
GRAM NEGATIVE BACTERIA			
→	Klebsiella pneumoniae	Detected	Not Detected
→	Acinetobacter baumannii	Detected	Not Detected
→	Citrobacter freundii	Detected	Not Detected
→	Enterobacter cloacae	Detected	Not Detected
→	Escherichia coli	Detected	Not Detected
→	Klebsiella aerogenes	Detected	Not Detected
→	Klebsiella oxytoca	Detected	Not Detected
→	Morganella morganii	Detected	Not Detected
→	Proteus mirabilis	Detected	Not Detected
→	Proteus vulgaris	Detected	Not Detected
→	Providencia stuartii	Detected	Not Detected
→	Pseudomonas aeruginosa	Detected	Not Detected
→	Serratia marcescens	Detected	Not Detected
→	Treponema pallidum	Detected	Not Detected
→	Ureaplasma parvum	Detected	Not Detected
→	Ureaplasma urealyticum	Detected	Not Detected
GRAM POSITIVE BACTERIA			
→	Staphylococcus aureus	Detected	Not Detected
→	Aerococcus urinae	Detected	Not Detected
→	Corynebacterium urealyticum	Detected	Not Detected
→	Enterococcus faecalis	Detected	Not Detected
→	Enterococcus faecium	Detected	Not Detected
→	Staphylococcus saprophyticus	Detected	Not Detected
→	Streptococcus agalactiae	Detected	Not Detected
FUNGI			
→	Candida albicans	Detected	Not Detected
→	Candida auris	Detected	Not Detected
→	Candida glabrata	Detected	Not Detected
→	Candida krusei	Detected	Not Detected
→	Candida parapsilosis	Detected	Not Detected
→	Candida tropicalis	Detected	Not Detected

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Antibiotic Resistance Genotyping Result Summary

	ANTIBIOTIC RESISTANT GENE	ANTIBIOTIC CLASS	RESULTS	REFERENCE RANGE
→	CTX	Penicillin & B-lactam	Detected	Not Detected
→	dfrA	Trimethoprim / Sulfamethoxazole	Detected	Not Detected
→	IMP	Carbapenem	Detected	Not Detected
→	KPC	Carbapenem	Detected	Not Detected
→	mecA/mecC	Methicillin	Detected	Not Detected
→	NDM	Carbapenem	Detected	Not Detected
→	oxa-48	Carbapenem	Detected	Not Detected
→	qnr	Quinolone	Detected	Not Detected
→	sul	Trimethoprim / Sulfamethoxazole	Detected	Not Detected
→	vanA	Vancomycin	Detected	Not Detected
→	vanB	Vancomycin	Detected	Not Detected
→	VIM	Penicillin & B-lactam	Detected	Not Detected

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Antibiotic List and Recommendations

	ANTIBIOTIC CLASS	RESULT	RECOMMENDED	NOT RECOMMENDED
→	Carbapenem	Detected		Meropenem Meropenem/vaborbactam Ertapenem
→	Methicillin	Detected		Cefazolin (cephazolin)
→	Penicillin & B-lactam	Detected		Ampicillin/Sulbactam Ceftazidime/Avibactam Amoxicillin Clavulanate Ampicillin Nafcillin Piperacillin/Tazobactam Amoxicillin
→	Quinolone	Detected		Levofloxacin Ciprofloxacin
→	Trimethoprim / Sulfamethoxazole	Detected		Trimethoprim-Sulfamethoxazole
→	Vancomycin	Detected		Vancomycin