

CLINIC INFORMATION

 Name: Streamline Pathology Laboratory
 Address: 2868 Acton Road Suite 207 BIRMINGHAM, AL 35243
 Provider: Test, Doctor MD

PATIENT INFORMATION

 Name: PATIENT, TEST
 DOB: 6/30/1980 Sex: M
 Phone: (205)332-3160
 Address: 2868 ACTON ROAD VESTAVIA, AL35243

SPECIMEN INFORMATION

 Lab Accession Number: S-08232210334
 Date Collected: 08/22/22 12:00:00 AM
 Date Accessioned: 08/23/2022
 Date Reported: 08/23/2022
 Faxed to: 18777966185

Controls

Patient Extraction Control ¹	PASS
Endogenous Positive Control ¹	PASS
Pathogen Positive Control ²	PASS
Pathogen Negative Control ³	PASS

(1) Endogenous control confirms sample collection, DNA/RNA extraction, and assay enzyme activity
 (2) Positive control is synthetic inactive pathogen
 (3) Negative Control contains primers, probe, and enzymes with no DNA/RNA template
 (4) A "Detected" result indicates the presence of a pathogen (99.99% confidence) above the assay cutoff.

Test Performed	Lab Result (4) (Qualitative Low/Medium/High)	DNA Copy Number	Comments
SUMMARY UTI Pathogens Plus		Collection Type: Urine clean catch	
Acinetobacter baumannii	DETECTED - HIGH	1.00E+05	
Morganella morganii	DETECTED - MEDIUM	1.00E+03	
Streptococcus agalactiae (GBS)	DETECTED - LOW	1.00E+02	

Class (Gene Name)	Lab Result (Qualitative)	Resistance Gene Targets Identified	Associated Resistances (Antibiotics to Avoid)
SUMMARY UTI Antibiotic Resistance Markers		Collection Type: Urine clean catch	
Class A Beta-lactamase (CTX-M-Group 1)	DETECTED	blaCTX-M-1,3,10,12,15,22,23,28; blaFEC-1	[08/23/22]Cephalosporins, Penicillins, Aztreonam

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UTI Pathogens Plus			
Collection Type: Urine clean catch			
<i>Acinetobacter baumannii</i>	DETECTED - HIGH	1.00E+05	
<i>Bacteroides fragilis</i>	Not Detected	Not Detected	
<i>Candida albicans</i>	Not Detected	Not Detected	
<i>Candida dubliniensis</i>	Not Detected	Not Detected	
<i>Candida glabrata</i>	Not Detected	Not Detected	
<i>Candida krusei</i>	Not Detected	Not Detected	
<i>Candida parapsilosis</i>	Not Detected	Not Detected	
<i>Candida tropicalis</i>	Not Detected	Not Detected	
<i>Citrobacter freundii/braakii</i>	Not Detected	Not Detected	
<i>Citrobacter koseri</i>	Not Detected	Not Detected	
<i>Enterobacter cloacae</i>	Not Detected	Not Detected	
<i>Enterococcus spp.</i>	Not Detected	Not Detected	
<i>Escherichia coli</i>	Not Detected	Not Detected	[08/23/22] Shares homology with Shigella spp.
<i>Klebsiella aerogenes</i>	Not Detected	Not Detected	
<i>Klebsiella oxytoca/michiganensis</i>	Not Detected	Not Detected	
<i>Klebsiella pneumoniae</i>	Not Detected	Not Detected	
<i>Morganella morganii</i>	DETECTED - MEDIUM	1.00E+03	
<i>Mycoplasma genitalium</i>	Not Detected	Not Detected	
<i>Mycoplasma hominis</i>	Not Detected	Not Detected	
<i>Prevotella bivia</i>	Not Detected	Not Detected	
<i>Proteus mirabilis</i>	Not Detected	Not Detected	
<i>Pseudomonas aeruginosa</i>	Not Detected	Not Detected	
<i>Serratia marcescens</i>	Not Detected	Not Detected	
<i>Staphylococcus aureus</i>	Not Detected	Not Detected	
<i>Staphylococcus epidermidis</i>	Not Detected	Not Detected	
<i>Staphylococcus saprophyticus</i>	Not Detected	Not Detected	
<i>Streptococcus agalactiae (GBS)</i>	DETECTED - LOW	1.00E+02	
<i>Streptococcus pyogenes (Group A)</i>	Not Detected	Not Detected	
<i>Ureaplasma urealyticum</i>	Not Detected	Not Detected	

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 Test results must be evaluated with clinical symptoms to diagnose disease. All tests established and validated by Laboratory and not FDA approved unless otherwise indicated.
 Methodology statement: Real-time PCR assays are designed to detect pathogens with clinical significance and analytical sensitivity and specificity greater than 99%.

Limitations: While these assays are very sensitive and specific, theoretically these assays could detect pathogens not listed, resulting in a false positive.

In addition, while these assays are very specific, there may be target pathogen sequences with unknown sequence variability which may not be detected, resulting in a false negative result.

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UTI Antibiotic Resistance Markers			
Collection Type: Urine clean catch			
Class A Beta-lactamase (blaKPC)	Not Detected	KPC-2-8,10,11,13-22,24-33	[08/23/22] Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors, Aztreonam
Class A Beta-lactamase (CTX-M-Group 1)	DETECTED	blaCTX-M-1,3,10,12,15,22,23,28; blaFEC-1	[08/23/22] Cephalosporins, Penicillins, Aztreonam
Class B metallo Beta-lactamase (blaNDM)	Not Detected	NDM (1-21)	[08/23/22] Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors
Fluoroquinolones	Not Detected	qnrS 1-5,7-9; qnrB Group 1; qnrB Group 5	[08/23/22] Ciprofloxacin, Gemifloxacin, Levofloxacin, Moxifloxacin, Norfloxacin, Ofloxacin
mecA (Methicillin/Oxacillin resistance)	Not Detected	mecA	[08/23/22] Oxacillin
Sulfonamides	Not Detected	sul1; sul2; sul3	[08/23/22] Sulfadiazine, Sulfamethizole, Sulfamethoxazole, Sulfasalazine, Sulfisoxazole
Trimethoprim	Not Detected	dfrA1; dfrA5; dfrA11; dfrA17	[08/23/22] Primsol
vanA (Vancomycin)	Not Detected	vanA	[08/23/22] Vancomycin
vanB (Vancomycin)	Not Detected	vanB	[08/23/22] Vancomycin

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