

## Molecular PCR Summary Lab Report

2868 Acton Road, Suite 207 Vestavia, AL 35243 Phone: (855) 319-4459 CLIA ID: 01-D2074949

**CLINIC INFORMATION** 

Name:

**Assurance Pathology** 

Laboratory

Address: 2868 Acton Road

Suite 207

BIRMINGHAM, AL 35243

Provider: Doctor Test

PATIENT INFORMATION SPECIMEN INFORMATION

5/12/1965

Name:

TEST, TEST Lab Accession Number: ASL-62975

> 7/10/2019 9:19 AM Date Collected:

Date Received by Lab: 7/11/2019 Date Accessioned: 7/11/2019 Date Reported: 7/11/2019

Faxed to: 18777966185

**Associated Resistances** 

Controls

Patient Extraction Control PASS Endogenous Positive Control PASS Pathogen Positive Control

Pathogen Negative Control

PASS

PASS

**Lab Result** 

DOB:

Gender:

(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. Assay cutoff is represented by CFU (bacteria), PFU (viruses) or Copy Number (DNA)

(1) Endogenous control confirms sample collection, DNA/RNA extraction, and assay enzyme activity

Test Performed	Lab Result(4) (Qualitative Low/Medium/High)	DNA Copy Number	Comments
SUMMARY UTI Pathogens			
Escherichia coli	DETECTED - LOW	1.00E+01	[7/11/2019 9:44 AM] Shares homology with Shigella spp.
Klebsiella pneumoniae	DETECTED - HIGH	1.00E+05	
Morganella morganii	DETECTED - MEDIUM	1.00E+03	
Proteus mirabilis	DETECTED - LOW	1.00E+01	

Class (Gene Name)	(Qualitative)	Targets Identified	(Antibiotics to Avoid)
SUMMARY Antibiotic Resist	ance Markers		
Class A Beta-lactamase (blaKPC)	DETECTED	KPC-2-8,10,11,13-22,24-33	[7/11/2019 9:44 AM] Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors, Aztreonam

**Resistance Gene** 

Clinic Name: Assurance Pathology Laboratory Patient name: TEST, TEST



## Molecular PCR Detailed Lab Report

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Laboratory 2868 Acton Road

Suite 207

BIRMINGHAM, AL 35243

**Doctor Test** Provider:

Name: TEST, TEST

DOB: 5/12/1965

Gender:

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Test Performed	Lab Result(4) (Low/Medium/High) DNA Copy Number		Comments
UTI Pathogens			
Acinetobacter baumannii	Not Detected	Not Detected	
Bacteroides fragilis	Not Detected	Not Detected	
Citrobacter freundii/braakii	Not Detected	Not Detected	
Citrobacter koseri	Not Detected	Not Detected	
Enterobacter aerogenes	Not Detected	Not Detected	
Enterobacter cloacae	Not Detected	Not Detected	
Enterococcus spp.	Not Detected	Not Detected	
Escherichia coli	DETECTED - LOW	1.00E+01	[7/11/2019 9:44 AM] Shares homology with Shigella spp.
Klebsiella oxytoca/michiganesis	Not Detected	Not Detected	
Klebsiella pneumoniae	DETECTED - HIGH	1.00E+05	
Morganella morganii	DETECTED - MEDIUM	1.00E+03	
Proteus mirabilis	DETECTED - LOW	1.00E+01	
Pseudomonas aeruginosa	Not Detected	Not Detected	
Staphylococcus aureus	Not Detected	Not Detected	
Staphylococcus epidermidis	Not Detected	Not Detected	
Staphylococcus saprophyticus	Not Detected	Not Detected	
Streptococcus pyogenes (Group A)	Not Detected	Not Detected	
Serratia marcescens	Not Detected	Not Detected	

Clinic Name: Assurance Pathology Laboratory TEST, TEST Patient name:



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Name: **Assurance Pathology**  Name: TEST, TEST

5/12/1965

DOB:

Gender:

ASL-62975

Laboratory

Lab Accession Number:

Address: 2868 Acton Road Date Collected: 7/10/2019

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Suite 207 BIRMINGHAM, AL 35243 Date Reported: 7/11/2019

**Doctor Test** Provider:

Class (Gene Name)

**Lab Result Resistance Gene Associated Resistances** (Qualitative) **Targets Identified** (Antibiotics to Avoid)

Class A Beta-lactamase (CTX-M-Group 1)	Not Detected	blaCTX-M-1,3,10,12,15,22,23,28; blaFEC-1	[7/11/2019 9:44 AM] Cephalosporins, Penicillins, Aztreonam
Class A Beta-lactamase (blaKPC)	DETECTED	KPC-2-8,10,11,13-22,24-33	[7/11/2019 9:44 AM] Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors, Aztreonam
Class B metallo Beta-lactamase (blaNDM)	Not Detected	NDM (1-21)	[7/11/2019 9:44 AM] Carbapenems, Cephalosporins, Penicillins, Beta-lactamase inhibitors
Fluoroquinolones	Not Detected	qnrS 1-5,7-9; qnrB Group 1; qnrB Group 5	[7/11/2019 9:44 AM] Ciprofloxacin, Gemifloxacin, Levofloxacin, Moxifloxacin, Norfloxacin, Ofloxacin
mecA (Methicillin/Oxacillin resistance)	Not Detected	mecA	[7/11/2019 9:44 AM] Oxacillin
Sulfonamides	Not Detected	sul1; sul2; sul3	[7/11/2019 9:44 AM] Sulfadiazine, Sulfamethizole, Sulfamethoxazole, Sulfasalazine, Sulfisoxazole
Trimethoprim	Not Detected	dfrA1; dfrA5; dfrA11; dfrA17	[7/11/2019 9:44 AM] Primsol
vanA (Vancomycin)	Not Detected	vanA	[7/11/2019 9:44 AM] Vancomycin
vanB (Vancomycin)	Not Detected	vanB	[7/11/2019 9:44 AM] Vancomycin

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