



Laboratory Report

BIRDROCK LABORATORIES
 10581 ROSELLE STREET, SUITE 120
 SAN DIEGO, CA 92126
 Phone: 858-258-9493 Fax: 866-789-9580
 Lab Director: Michael Maymind, M.D.
 CLIA: #05D2158603

PATIENT INFORMATION		REQUESTER INFORMATION		SAMPLE INFORMATION	
Pt Name:	MOLECULAR , SAMPLE	Ordering Physician:	MALARKEY, JOHN C.	Specimen type:	Molecular Urine
Pt ID:	PLACEHOLDER_0000	Practice Name:	ABC CLINIC	Collected:	01/06/2021
Pt DOB:	5/1/1974 Age: 46	Practice Address:	54 MAIN ST.	Received:	01/06/2021 02:46:00 PM
Accession:	M2101060250 (123456)		LA JOLLA, CA 92037	Reported:	01/07/2021 11:56:03 AM
Gender:	Female				

Testing Ordered **UTI PANEL, ABR PANEL, ANTIBIOTIC SENSITIVITY, URINALYSIS**

UTI MOLECULAR RESULTS: POSITIVE

Result in CFU/mL*	Tested Pathogens			
Detected >100,000	E. coli		S. aureus	
Not Detected	A. baumannii	C. albicans	C. freundii	C. glabrata
	E. cloacae	E. faecalis	Methicillin-resistant Staph aureus (MRSA)	K. pneumoniae
	M. organii	P. mirabilis	P. aeruginosa	S. saprophyticus
	S. agalactiae			

*Although reported counts less than 10,000 CFU/mL is usually not clinically relevant and often indicates contamination, some organisms in lower result can still be pathogenic and cause infection. Reference Range: Not Detected

ANTIBIOTIC RESISTANCE RESULTS: NEGATIVE

Resistance Gene Tested	Result	Antibiotic Class*	Resistance Gene Tested	Result	Antibiotic Class*
Sulfonamide resistance sul1	Not Detected	Sulfonimes	Glycopeptide resistance vanB	Not Detected	Glycopeptides
Trimethoprim resistance dfrA	Not Detected	Trimethoprim	Macrolide resistance ermA	Not Detected	Macrolides
Aminoglycoside aac6-1b/aacA4	Not Detected	Aminoglycosides	Macrolide resistance ermB	Not Detected	Macrolides
Extended-spectrum β-lactamase pan-TEM	Not Detected	Beta-lactamns	Macrolide resistance ermC	Not Detected	Macrolides
Klebsiella pneumoniae carbapenase resistance kpc	Not Detected	Carbapenems	Quinolone and fluroquinolone resistance QnrA and QnrS	Not Detected	Quinolones
Carbapenem Resistance blaOXA-48	Not Detected	Carbapenems	Quinolone and fluroquinolone resistance QnrB Clade 1-2	Not Detected	Quinolones
Glycopeptide resistance vanA2	Not Detected	Glycopeptides	Extended spectrum beta lactase DHA-1	Not Detected	Beta-lactamns
			Trimethoprim resistance dfrA_	Not Detected	Trimethoprim

*For antibiotic brand names and generic names visit www.birdrocktox.com or ask your sales representative. Reference Range: Not Detected

ANTIBIOTIC SENSITIVITY

Escherichia coli			Staphylococcus aureus		
Antibiotic	MIC	Result	Antibiotic	MIC	Result
Ampicillin	>=32	Resistant	Oxacillin	>=4	Resistant
Ampicillin/Sulbactam	16	Intermediate	Gentamicin	<=0.5	Susceptible
Piperacillin/Tazobactam	<=4	Susceptible	Ciprofloxacin	<=0.5	Susceptible
Cefazolin	>=64	Resistant	Levofloxacin	<=0.12	Susceptible
Ceftazidime		Resistant	Moxifloxacin	<=0.25	Susceptible
Ceftriaxone	>=64	Resistant	Erythromycin	>=8	Resistant
Cefepime	>=32	Resistant	Linezolid	1	Susceptible
Ertapenem	<=0.12	Susceptible	Daptomycin	0.25	Susceptible
Imipenem	<=0.25	Susceptible	Tetracycline	<=1	Susceptible
Gentamicin	<=1	Susceptible	Nitrofurantoin	<=16	Susceptible
Tobramycin	<=1	Susceptible	Rifampicin	<=0.5	Susceptible
Ciprofloxacin	>=4	Resistant	Trimethoprim/Sulfamethoxazole	<=10	Susceptible
Levofloxacin	>=8	Resistant	Cefoxitin Screen	Pos	+
Nitrofurantoin	<=16	Susceptible			
Trimethoprim/Sulfamethoxazole	>=320	Resistant			
ESBL	Pos	+			

URINALYSIS RESULTS: ABNORMAL



Laboratory Report

BIRDROCK LABORATORIES
 10581 ROSELLE STREET, SUITE 120
 SAN DIEGO, CA 92126
 Phone: 858-258-9493 Fax: 866-789-9580
 Lab Director: Michael Maymind, M.D.
 CLIA: #05D2158603

PATIENT INFORMATION		REQUESTER INFORMATION		SAMPLE INFORMATION	
Pt Name:	MOLECULAR , SAMPLE	Ordering Physician:	MALARKEY, JOHN C.	Specimen type:	Molecular Urine
Pt ID:	PLACEHOLDER_0000	Practice Name:	ABC CLINIC	Collected:	01/06/2021
Pt DOB:	5/1/1974 Age: 46	Practice Address:	54 MAIN ST.	Received:	01/06/2021 02:46:00 PM
Accession:	M2101060250 (123456)		LA JOLLA, CA 92037	Reported:	01/07/2021 11:56:03 AM
Gender:	Female				

Testing Ordered **UTI PANEL, ABR PANEL, ANTIBIOTIC SENSITIVITY, URINALYSIS**

Test	Result	Reference Range	Test	Result	Reference Range	Test	Result	Reference Range
Color	Light Yellow	Yellow	pH	5.5	5.0-7.5	Epithelial Cells	0	0-5 /HPF
Clarity	Clear	Clear	Urobilinogen	0	0.2-1.0 mg/dL	Bacteria	Few	None Seen
Glucose	Negative (0 mg/dL)	Negative	Protein	Negative	Negative / Trace	Crystals	None Seen	None Seen
Bilirubin	Negative	Negative	Nitrite	Negative	Negative	Casts	0	None Seen
Ketone	Negative	Negative	Leukocyte Esterase	Negative	Negative	Yeast	0.	None Seen
Specific Gravity	>=1.030	1.005-1.030	WBC	0	0-3 /HPF	Mucus	None Seen	Not Established
Blood	Negative	Negative	RBC	1	0-3 /HPF	Spermatozoa	None Seen	None Seen

Test	Result	Reference Range
Trichomonas	None Seen	None Seen

The Birdrock Laboratories Urinary Tract Infection Pathogen Panel, Respiratory Pathogen Panel, and Antibiotic Resistance testing by Molecular utilize a tandem multiplex real-time polymerase chain reaction (RT-PCR) technology to detect the presence of pathogens known to be associated with urinary tract infections. Antibiotic resistance testing detects the most common published genes associated with antibiotic resistance. Improper specimen collection technique, storage, or shipment protocols may cause unreliable results. This test was developed, and its performance characteristics determined by Birdrock Laboratories. The laboratory is regulated under the Clinical Laboratory Improvement Amendments of 1988 (CLIA) as qualified to perform high complexity clinical testing.