



Client: SURETOX
Client #: 1
Chart #: A2003175503
Provider:

Patient: SAMPLE, REPORT
DOB: 01/01/1991
Gender: U
Specimen Type: UNIVERSAL SWAB
Collected: 03/17/20

Lab Accession #: 2003175503
Accessioned: 03/17/20 11:11
Reviewed & Approved:
Reported:
By:

MOLECULAR WOUND ORGANISM SUMMARY

ORGANISM(S) DETECTED

Organism	Presence	Relative CFU/uL result ^B
E. coli	Detected	HIGH

ANTIBIOTIC RESISTANCE GENE(S) DETECTED

Antibiotic Resistance Marker	Presence
None detected	

^B Relative CFU/uL based on semi-quantitative conversion from real-time PCR of organism genomic DNA.
Approximate ranges of relative CFU/uL include:
LOW: <10³ CFU/uL
MED: 10³ - 10⁵ CFU/uL
HIGH: >10⁵ CFU/uL

WOUND PANEL RESULTS

Test	Presence	Relative CFU/uL result ^B	Remarks
AEROBIC GRAM-POSITIVE			
E. faecalis	Not Detected		
E. faecium	Not Detected		
M. abscessus	Not Detected		
M. chelonae	Not Detected		
S. aureus	Not Detected		
K. oxytoca	Not Detected		
K. pneumonia	Not Detected		
S. epidermidis	Not Detected		
S. lugdunensis	Not Detected		
S. agalactiae	Not Detected		
S. pyogenes	Not Detected		
AEROBIC GRAM-NEGATIVE			
A. baumannii	Not Detected		
C. freundii	Not Detected		
E. aerogenes	Not Detected		
E. cloacae	Not Detected		
E. coli	Detected	HIGH	
P. mirabilis	Not Detected		
P. vulgaris	Not Detected		
P. aeruginosa	Not Detected		
ANAEROBIC GRAM-POSITIVE			
C. perfringens	Not Detected		
C. septicum	Not Detected		
ANAEROBIC GRAM-NEGATIVE			
B. fragilis	Not Detected		
P. intermedia	Not Detected		
P. oralis	Not Detected		
FUNGI			
A. flavus	Not Detected		
A. fumigates	Not Detected		
A. niger	Not Detected		
C. albicans	Not Detected		
C. parapsilosis	Not Detected		
C. glabrata	Not Detected		
C. tropicalis	Not Detected		
C. krusei	Not Detected		

Test
ANTIBIOTIC RESISTANCE

Presence **Relative CFU/uL result ^B** **Remarks**



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Director: Robert Rush, PhD.
CLIA #: 31D2063148

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CTX-M group 1	Absent		
ermA Macrolide	Absent		
ermB Macrolide	Absent		
IMP Carbapenem	Absent		
KPC Carbapenem	Absent		
mecA Methicillin	Absent		
NDM Carbapenem	Absent		
OXA-48 Carbapenem	Absent		
SHV ESBL	Absent		
VIM Carbapenem	Absent		
vanA Vancomycin	Absent		
vanB Vancomycin	Absent		
TETM Tetracyclines	Absent		
AmpC Carbapenems	Absent		
CTX-M group 2	Absent		
CTX-M group 9	Absent		
CTX-M group 8/25	Absent		



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Resistance Gene	Antibiotic Class	Brand Name(s)	Generic Name(s)
CTX-M group 1, 2, 9, 8/25	Cephalosporins	Duricef, Ancef, Kefzol, Daxbia, Keflex, Cefotan, Mefoxin, Cefzil, Ceftin, Zinacef, Omnicef, Spectracef, Suprex, Claforan, Fortaz, Tazicef, Cedax, Maxipime, Teflaro, Vantin, Zerbaxa, Rocephin	cefadroxil, cefazolin, cephalixin, cefotetan, cefoxitin, cefprozil, cefuroxime, cefdinir, cefditoren, cefixime, cefotaxime, cefpodoxime, ceftazidime, ceftibuten, ceftriaxone, cefepime, ceftaroline
	Beta-lactams (penicillin)	Amoxil, Amoxicot, Apo-Amoxi, Moxilin, Moxatag, DisperMox, Trimox, Augmentin, Amoclan, Unasyn, Principen, Timentin, Geocillin, Dycil, Staphcillin, Unipen, Pipracil, Zosyn, Bicillin, Isoject Permapen, Penicillin VK, Pfizerpen, Veetids, PC Pen VK, Wycillin, Ticar, Benzylpenicillin, Phenoxymethylpenicillin	amoxicillin, clavulanate, ampicillin, ticarcillin, carbenicillin, dicloxacillin, methicillin, nafcillin, piperacillin, penicillin g benzathine, penicillin v, penicillin g potassium, penicillin v potassium, procaine penicillin, oxacillin
ermA, ermB	Lincomycins	Cleocin, Evoclin, Lincocin	lincomycin, clindamycin
	Macrolides	Zithromax, Biaxin, E.E.S., Ery-Tab, Eryc, Ketek, Spiramycin	azithromycin, clarithromycin, erythromycin, telithromycin, spiramycin
IMP	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem
KPC	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem
mecA	Cephalosporins	Duricef, Ancef, Kefzol, Daxbia, Keflex, Cefotan, Mefoxin, Cefzil, Ceftin, Zinacef, Omnicef, Spectracef, Suprex, Claforan, Fortaz, Tazicef, Cedax, Maxipime, Teflaro, Vantin, Zerbaxa, Rocephin	cefadroxil, cefazolin, cephalixin, cefotetan, cefoxitin, cefprozil, cefuroxime, cefdinir, cefditoren, cefixime, cefotaxime, cefpodoxime, ceftazidime, ceftibuten, ceftriaxone, cefepime, ceftaroline
	Beta-lactams (penicillin)	Amoxil, Amoxicot, Apo-Amoxi, Moxilin, Moxatag, DisperMox, Trimox, Augmentin, Amoclan, Unasyn, Principen, Timentin, Geocillin, Dycil, Staphcillin, Unipen, Pipracil, Zosyn, Bicillin, Isoject Permapen, Penicillin VK, Pfizerpen, Veetids, PC Pen VK, Wycillin, Ticar, Omnipen/Amcil	amoxicillin, clavulanate, ampicillin, ticarcillin, carbenicillin, dicloxacillin, methicillin, nafcillin, piperacillin, penicillin g benzathine, penicillin v, penicillin g potassium, penicillin v potassium, procaine penicillin, oxacillin
NDM	Beta-lactam antibiotic (penicillin)	Amoxil, Amoxicot, Apo-Amoxi, Moxilin, Moxatag, DisperMox, Trimox, Augmentin, Amoclan, Unasyn, Principen, Timentin, Geocillin, Dycil, Staphcillin, Unipen, Pipracil, Zosyn, Bicillin, Isoject Permapen, Penicillin VK, Pfizerpen, Veetids, PC Pen VK, Wycillin, Ticar	amoxicillin, clavulanate, ampicillin, ticarcillin, carbenicillin, dicloxacillin, methicillin, nafcillin, piperacillin, penicillin g benzathine, penicillin v, penicillin g potassium, penicillin v potassium, procaine penicillin, oxacillin
	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem
OXA-48	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem



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SHV	Beta-lactams (penicillin)	Amoxil, Amoxicot, Apo-Amoxi, Moxilin, Moxatag, DisperMox, Trimox, Augmentin, Amoclan, Unasyn, Principen, Timentin, Geocillin, Dycil, Staphcillin, Unipen, Pipracil, Zosyn, Bicillin, Isoject Permapen, Penicillin VK, Pfizerpen, Veetids, PC Pen VK, Wycillin, Ticar	amoxicillin, clavulanate, ampicillin, ticarcillin, carbenicillin, dicloxacillin, methicillin, nafcillin, piperacillin, penicillin g benzathine, penicillin v, penicillin g potassium, penicillin v potassium, procaine penicillin, oxacillin
	Quinolones	Cipro, Proquin, Cinobac, Cetraxal/Otiprio, Baxdela, Tequin, Factive, Levaquin, Maxaquin, Avelox, NegGram, Noroxin, Floxin, Zagam, Trovan	ciprofloxacin, cinoxacin, delafloxacin, gatifloxacin, Gemifloxacin, levofloxacin, lomefloxacin, moxifloxacin, nalidixic acid, norfloxacin, ofloxacin, sparfloxacin, trovafloxacin, ciprofloxacin otic
VIM	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem
vanA, vanB	Glycopeptide	Dalvance, Orbactiv, Vibativ, Firvanq, Vancocin, Targocid, Ramoplanin, Teicoplanin, Decaplanin	dalbavancin, oritavancin, telavancin, vancomycin, teicoplanin, decaplanin, ramoplanin
AMPC	Carbapenems	Primaxin, Doribax, Invanz, Merrem	cilastatin/imipenem, doripenem, ertapenem, meropenem
TETM	Tetracyclines	Vibra-Tabs, Xerava, Dynacin, Minocin, Solodyn, Cleeravue-M, Minolira, Myrac, Ximino, Nuzrya, Terramycin, Sumycin, Panmycin, Achromycin V, Actisite, Ala-Tet, Brodspec, Tetracap, Tetracon, Seysara	doxycycline, eravacycline, minocycline, omadacycline, tetracycline, sarecycline

* Based on published peer-reviewed antimicrobial guidelines.

These results should be interpreted in the context of other clinical findings to aid in diagnosis and treatment decisions. Test results may be affected by improper specimen collection, improper specimen storage, technical error, contamination, or specimen mix-up. Testing performed by real-time PCR. Tests were developed and performance characteristics determined by Suretox Laboratory. They have not been cleared or approved by the FDA. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. This test is used for clinical purposes and should not be regarded as investigational or for research. All testing was performed at Suretox Laboratory.