



Patient Information	Physician Information	Sample Information
<b>Report, Sample</b> Age/Sex: <b>34/F</b> DOB: <b>01/01/1990</b>	<b>Dr. FARGAHI, SIMA</b> EmeritusDX - Internal Testing 12 Spectrum Pointe Drive Lake Forest, CA 92630 <b>Phone : 949.418.7225</b> <b>Fax : 949.418.7287</b>	Accession#: <b>WF24-00003</b> Date Collected: <b>02/25/2024</b> Date Received: <b>02/26/2024</b> Date Reported: <b>02/26/2024</b> Specimen: <b>Wound swab</b> ICD 10: <b>123.45</b>

**Results: Positive**

**ORGANISM(S) - DETECTED**

- Escherichia coli 100%

Report Key	Amoxicillin / Clavulanate	Ampicillin	Cefaclor	Cefixime	Ciprofloxacin	Levofloxacin	Nitrofurantoin	Ofloxacin	Sulfamethoxazole/Trimethoprim	Tetracycline	Amikacin	Cefotaxime	Aztreonam	Gentamicin	Tobramycin	Ceftriaxone	Imipenem	Penicillin G	Meropenem	Cefazolin	Cefepime	Ceftazidime / Avibactam	Doxycycline	Cefoxitin	Piperacillin / Tazobactam	Vancomycin	
<b>RGD = Resistance Gene(s) Detected</b> <b>S = Sensitivity Detected</b> <b>R = Resistance Detected</b> <b>N = No Reference</b>																											
<b>Formulation</b>	PO	PO/IV	PO	PO	PO/IV	PO/IV	PO	PO	PO/IV	PO	IV/IM	IM/IV	IM/IV	IM/IV	IM/IV	IM/IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	IV	
<b>Sensitivity result:</b>																											
<b>Escherichia coli</b>	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	N	R	R
<b>Resistant Gene result :</b>									RGD																		
<b>Organism(s) Tested-Detected: + = Plus marks are supportive data and are NOT patient specific</b>																											
<b>Escherichia coli</b>	+			+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**Information about the table:**

Green PlusMarks **+** indicate there is supportive evidence that the antibiotic either FDA approved or off label can be used for treatment. PlusMark treatment options are not intended to be prescriptive for any specific patient. Appropriate judgement should be exercised by the attending physician before prescribing a course of treatment. N = No reliable antibiotic reference is available for the detected organism. **If an organism is listed in the detected section but not reflected in the sensitivity result table, the organism is either fastidious or failed to grow in vitro and cannot be tested for antibiotic susceptibility.**

**PHENOTYPIC SENSITIVITY DETECTED:** Amikacin(IV/IM), Amoxicillin / Clavulanate(PO), Ampicillin(PO/IV), Aztreonam(IM/IV), Cefaclor(PO), Cefazolin(IV), Cefepime(IV), Cefixime(PO), Cefotaxime(IM/IV), ceftazidime-avibactam(IV), Ceftriaxone(IM/IV), Ciprofloxacin(PO/IV), Gentamicin(IM/IV), Imipenem(IV), Levofloxacin(PO/IV), Meropenem(IV), Nitrofurantoin(PO), Ofloxacin(PO), Penicillin G(IV), Sulfamethoxazole/Trimethoprim(PO/IV), Tetracycline(PO), Tobramycin(IM/IV)

**PHENOTYPIC RESISTANCE DETECTED:** Piperacillin / Tazobactam(IV), Vancomycin(IV)

**ANTIBIOTIC RESISTANCE GENES DETECTED:** Sulfonamides Resistance

**ANTIBIOTIC RESISTANCE GENES NOT DETECTED:** Vancomycin Resistant (Glycopeptic antibiotics) , Extended-Spectrum-β-Lactamase\*, Methicillin Resistance, Tetracycline Resistance, Quinolone and Fluoroquinolone Resistance, Carbapenem Resistance

**ORGANISM(S) - NOT DETECTED**

**Bacteria:** Acinetobacter baumannii, Actinobaculum schaalii, Aerococcus urinae, Alloscardovia omnicolens, Citrobacter freundii, Citrobacter koseri, Coagulase negative Staphylococcus\*\*, Corynebacterium riegellii, Enterobacter aerogenes\*\*\*, Enterobacter cloacae, Enterococcus faecalis, Enterococcus faecium, Klebsiella oxytoca, Klebsiella pneumoniae, Morganella morganii, Mycoplasma hominis, Pantoea agglomerans, Proteus mirabilis, Proteus vulgaris, Providencia stuartii, Pseudomonas aeruginosa, Serratia marcescens, Staphylococcus aureus, Streptococcus agalactiae, Ureaplasma urealyticum, Viridans Group Streptococci\*\*\*\*

**FUNGUS:** Candida albicans, Candida auris

• Testing performed at 524 E Elm St Conshohocken, PA 19428 | Medical Director: Joshua Cantor M.D.

## WoundDX Report

Patient Name  
**Report, Sample**

Accession Number  
**WF24-00003**

Procedure Date  
**02/25/2024**

### References:

\* Extended Spectrum Beta-Lactamase (ESBL) Resistant genes identified confers resistance across multiple classes of antibiotics including Penicillin derivatives, cephalosporins, monobactams and carbapenems. Refer to the "Resistant Gene Detected" row to identify antibiotics for which the resistance gene may impact. Different ESBLs resistant genes will impact different beta lactam antibiotics in different levels and it is considered in the "Resistant Gene Detected" row for both ESBL (extended-spectrum  $\beta$ -lactamase) and BSBL (broad-spectrum  $\beta$ -lactamase).

\*\* Coagulase Negative Staphylococcus includes Staphylococcus saprophyticus, Staphylococcus epidermidis, Staphylococcus haemolyticus.

\*\*\* Klebsiella aerogenes (formerly known as Enterobacter aerogenes)

\*\*\*\* Viridans Streptococci group includes Streptococcus anginosus, Streptococcus oralis and Streptococcus pasteurianus, Streptococcus mitis.

**Methodology and Clinical Significance:** Laboratory utilizes PCR amplification for the targeted detection of the specified organisms. Detected organisms are reported based on their percentage to the total detected organisms. Detected resistance genes are shown as RGD (Resistance Gene Detected) in the report table. In addition, phenotypic antibiotic susceptibility results are ascertained for the detected organism(s) by employing disk diffusion as a reference method for susceptibility. Antibiotic susceptibility testing is not performed for yeasts or fastidious organisms. For full methodology visit [www.emeritusdx.com/methodology](http://www.emeritusdx.com/methodology).

**Disclaimer:** This test was developed and its performance characteristics determined by laboratory. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approvals is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical testing.

Final Report signed by Aan Attaelmanan on 02/26/2024 at 11:40 AM

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**EmeritusDX**

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**Freedom**  
PATHOLOGY PARTNERS

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