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Laboratory Director: Janusz J. Godyn, MD, FCAP

Patient: DOE, JANE

Date of Birth: Feb 02, 1944

Sex: M

Physician: TEST NPI #:1154 Practice: IHM Date Collected: Mar 21, 2022 Date Received: Mar 23, 2022 Date Processed: Mar 23, 2022 Specimen type/Source: Eswab

Sample ID: 2063302

1. About This Report

This Wound Panel Report assesses skin, soft tissue and deep wound infection and consists of molecular identification tests for microorganisms and genes of antibiotic resistance implicated in complex wound management.

2. Molecular Diagnostic Results

SST	
- A. baumannii	Negative
- B. fragilis	Negative
- B. henselae	Negative
- C. albicans	Negative
- C. freundii	Negative
- C. parapsilosis	Negative
- C. perfringens	Negative
- C. tropicalis	Negative
- E. cloacae	Negative
- E. coli	Negative
- E. faecalis	Negative
- E. faecium	Negative
- Herpes simplex 1	Negative
- Herpes simplex 2	Negative
- K. oxytoca	Negative
- K. pneumoniae	Negative
- M. abscessus	Negative
- P. aeruginosa	Negative
- P. mirabilis	Negative
- Prevotella spp.	Negative
+ S. agalactiae	Positive
+ S. aureus	Positive
- S. maltophilia	Negative
- S. marcescens	Negative
- S. pyogenes	Negative
<u></u>)

Antibiotic Resistance	
- CTX-M group 1	Negative
- ErmA	Negative
- ErmB	Negative
- KPC	Negative
+ mecA	Positive
- NDM	Negative
- sul 1	Negative
- vanA1	Negative
- vanB	Negative

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3. Antibiotic Treatment Options

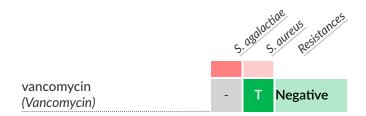
The following table shows common treatment options for organisms assayed as present in this sample, combined with any positive or negative assayed resistance markers. "T" indicates a treatment option; "T:R" indicates a treatment option that may be affected by the detected resistance marker(s).

	S	.agalaci	dureus Resistances
doxycycline (Broad-spectrum tetracycline)	-	Т	Not assayed
† ceftaroline (Cephalosporines)	-	T:R	mecA
† cephalexin (Cephalosporins)	T:R	T:R	mecA
† cefazolin (Cephalosporins)	-	T:R	mecA
† amoxicillin-clavulanate (Extended-Spectrum-Beta lactam)	-	T:R	mecA
oritavancin (Glycopeptides)	-	Т	Not assayed
dalbavancin (Glycopeptides)	-	Т	Not assayed
clindamycin (Lincomycin)	Т	Т	Not assayed
† penicillin (Narrow-Spectrum-Beta lactam)	T:R	-	mecA
† dicloxacillin (Narrow-Spectrum-Beta lactam)	-	T:R	mecA
† oxacillin (Narrow-Spectrum-Beta lactam)	-	T:R	mecA
linezolid (Oxazolidinone)	-	Т	Not assayed
tedizolid (Oxazolidinone)	-	Т	Not assayed
† nafcillin (Penicillins)	T:R	T:R	mecA
daptomycin (Peptide)	-	Т	Not assayed
sulfamethoxazole/trimethoprim (Sulfonamides)	-	Т	Negative

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† Consider alternate treatment due to detected resistance marker(s).

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Wound Organism Results

Assay Presence

A. baumannii Acinetobacter baumannii

B. fragilis Bacteroides fragilis

B. henselae Bartonella henselae

C. albicans Candida albicans

C. freundii Citrobacter freundii

C. parapsilosis Candida parapsilosis

C. perfringens Clostridium perfringens

C. tropicalis Candida tropicalis

CTX-M group 1 Extended-Spectrum-Betalactamase

E. cloacae Enterobacter cloacae

E. coli Escherichia coli

E. faecalis Enterococcus faecalis

E. faecium Enterococcus faecium

ErmA Macrolide resistance (ErmA)

ErmB Macrolide resistance (ErmB)

Herpes simplex 1 Herpes simplex 1

Herpes simplex 2 Herpes simplex 2

K. oxytoca Klebsiella oxytoca

K. pneumoniae Klebsiella pneumoniae

KPC Carbapenem resistance (KPC)

M. morganii Morganella morganii

mecA Methicillin resistance (mecA) Detected

NDM Carbapenem resistance (NDM)

P. aeruginosa Pseudomonas aeruginosa

P. mirabilis Proteus mirabilis

Prevotella spp. Prevotella spp.

S. agalactiae Streptococcus agalactiae Detected

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	Assay	Presence
S. aureus	Staphylococcus aureus	Detected
S. maltophilia	Stenotrophomonas maltophilia	
S. marcescens	Serratia marcescens	
S. pyogenes	Streptococcus pyogenes	
sul 1	Sulfonamide 1 resistance (sul 1)	
vanA1	Vancomycin resistance (vanA1)	
vanB	Vancomycin resistance (vanB)	

Report Signed by: Alisa Turner March 23, 2022 05:00:00 PM

In the case that no pathogenic microorganisms are identified by this assay, the presence of antibiotic resistance genes may be attributable to non-pathogenic microorganisms or possible rarely-occurring pathogenic microorganisms that SMA Specialty Medical Lab has not examined in its assay. Clinical correlation is suggested.

Limitation: An absence of detection does not imply the absence of microorganisms other than those listed or does not exclude the possibility that the target sequence is present below the limit of detection. The Wound Panel Report does not take into consideration patient history, drug-drug interactions, drug sensitivity, and/or allergies. It is the responsibility of the physician to determine appropriate drug and dosing choices based on all available data.

Methodology: Array based assays simultaneously detect a wide array of bacteria, yeast, viruses, and antibiotic resistance genes at analytical sensitivity and specificity >99%.

Disclaimer: These tests were developed and characterized by SMA Specialty Medical Lab and interpreted by Coriell Life Sciences, 4747 South Broad Street, Building 101, Suite 222, Philadelphia, PA 19112. The tests in this Wound Panel Report panel have not been approved by the Food and Drug Administration. The FDA has determined that such approval is not necessary, provided that the laboratory both (1) maintains its good standing as a clinical testing laboratory with all mandatory accrediting bodies, and (2) continually demonstrates that its testing protocols and procedures achieve a high degree of analytical accuracy.

Laboratory Certification: CLIA # 39D0987158

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