

Patient: TEST PATIENT
Patient ID: **MDT2020-147032**
Patient DOB: **2/27/1990**
Patient Age: **33**
Patient Sex: **Female**

Specimen: **Swab, Urine**
Collected: **6/28/23 1:08 PM PDT**
Received: **6/28/23 1:08 PM PDT**
Reported: **6/28/23 1:51 PM PDT**

Specimen ID: **2118541**
Provider: **Provider Test**
Account: **6518**
Facility: **Innovative Health Diagnostics**

Molecular Report

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+ POSITIVE SUMMARY

Pathogens **Staphylococcus aureus**

LEGEND

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The data provided are intended to serve as a general guide to antibacterial usefulness based on package insert, treatment guidelines, published reports, in vitro activity, predominant patterns of susceptibility or resistance and/or demonstrated clinical effectiveness. Variability in resistance patterns due to local or regional differences or as a consequence of clinical setting, e.g., community onset vs. ICU-acquired infection, should be taken into account when using this information because the activity of antimicrobial agents can differ significantly and hence is beyond the scope of this general summary. Susceptibility testing results and your local antibiogram should be consulted in every case.

- [1] Recommended:** Agent is a first line therapy: reliably active in vitro, clinically effective, guideline recommended, recommended as a first-line agent or acceptable alternative agent in the Sanford Guide.
- [2] Active:** Agent is a potential alternative agent (active in vitro, possesses class activity comparable to known effective agents or a therapeutically interchangeable agents and hence likely to be clinically effective, but second line due to overly broad spectrum, toxicity, limited clinical experience, or paucity of direct evidence of effectiveness).
- [3] Variable:** Variable activity such that the agent, although clinically effective in some settings or types of infections is not reliably effective in others, or should be used in combination with another agent, and/or its efficacy is limited by resistance which has been associated with treatment failure.

Pathogens	Nafcillin	Oxacillin	Cloxacillin	Flucloxacillin	Dicloxacillin	Cefazolin	Amox-Clav	Amp-Sulb	Pip-Tazo	Doripenem	Ertapenem	Imp-clastatin	Imp-cla-rele	Meropenem	Mero-Vabor	Delafloxacin	Levofloxacin	Moxifloxacin	Genifloxacin	Gatifloxacin	Cerofetan	Cefoxitin	Cefuroxime	Cefotaxime	Ceftizoxime
S. aureus MSSA	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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Molecular UTI, Basic (AssureCup)		
Test	Result	Range
Bacteria		
Acinetobacter baumannii	Not Detected	Not Detected
Actinobaculum schaalii	Not Detected	Not Detected
Aerococcus urinae	Not Detected	Not Detected
Alloscardovia omnicolens	Not Detected	Not Detected
Citrobacter freundii	Not Detected	Not Detected
Citrobacter koseri	Not Detected	Not Detected
Coagulase-negative staph	Not Detected	Not Detected
Corynebacterium riegellii	Not Detected	Not Detected
Enterobacter aerogenes	Not Detected	Not Detected
Enterobacter cloacae	Not Detected	Not Detected
Enterococcus faecalis	Not Detected	Not Detected
Enterococcus faecium	Not Detected	Not Detected
Escherichia coli	Not Detected	Not Detected
Klebsiella oxytoca	Not Detected	Not Detected
Klebsiella pneumoniae	Not Detected	Not Detected
Morganella morganii	Not Detected	Not Detected
Pantoea agglomerans	Not Detected	Not Detected
Proteus mirabilis	Not Detected	Not Detected
Proteus vulgaris	Not Detected	Not Detected
Providencia stuartii	Not Detected	Not Detected
Pseudomonas aeruginosa	Not Detected	Not Detected
Serratia marcescens	Not Detected	Not Detected
Staphylococcus aureus	✓ Detected	Not Detected
Streptococcus agalactiae (GBS)	Not Detected	Not Detected
Viridans group strep	Not Detected	Not Detected
AssureCup Reflex Panel (AST + ABR)		
mecA		
Resistant Genes		
mecA	Not Detected	Not Detected
VanA1, VanA2, VanB		
Resistant Genes		
VanA1	Not Detected	Not Detected

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Resistant Genes

VanA2	Not Detected	Not Detected
vanB	Not Detected	Not Detected

Sensitivity (AST), AssureCup
MIC

Amoxicillin/Clav	Normal
Ampicillin	Normal
Bactrim/Septra	Normal
Carbenicillin	Normal
Cefoxitin	Normal
Ceftazidime	Normal
Cephalothin	Normal
Ciprofloxacin	Normal
Clindamycin	Normal
Erythromycin	Normal
Gentamicin	Normal
Levofloxacin	Normal
Nalidixic Acid	Normal
Nitrofurantoin	Normal
Penicillin	Normal
Tetracycline	Normal
Vancomycin	Normal

These tests are Lab Developed Tests and were developed, and its performance characteristics determined by Innovative Health Diagnostics. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used solely for clinical diagnosis or patient management decisions.

Comments:

No comments.

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Detected Pathogen - Staphylococcus aureus, methicillin-sensitive (MSSA)

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Clinical Setting

- Isolation of a methicillin-susceptible strain of *Staph. aureus* (MSSA) in culture.
- Definitive therapy depends on severity and site of infection.
- For specific recommendations see the following:
 - Bacteremia
 - Endocarditis
 - Furuncles, skin abscess, boils
 - Osteomyelitis
 - Pneumonia
 - Prosthetic joint infection
 - Septic arthritis

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VIEW FULL PATHOGEN ARTICLE [HERE](#)

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