

Staphylococcus aureus - NRS21

Other designations (HIP07920)

| Demographic Information: | | | |
|------------------------------------|---|--------------------|------------|
| Country/State: | United States / Rhode Island | Date of Isolation: | 05/01/1998 |
| Patient Age: | 43 Year(s) | Gender: | Male |
| Patient Location: | Inpatient ICU | Patient Service: | Medicine |
| Culture Source: | | | |
| Literature Citation: | N/A | | |
| Donor Reported MIC Results (ug/ml) | Vancomycin = 4 | Teicoplanin = N/A | |
| Comment: | N/A | | |
| Repositories: | Glycopeptide Intermediate Staphylococci | | |

NARSA Antimicrobial Susceptibility Data for Glycopeptides

| Drug | Broth Microdilution | | ^a Conventional Etest 0.5 McFarland Std | | ^b Modified Etest 2 McFarland Std | | ^c BHI Agar Screen | Disk Diffusion | |
|--------------|----------------------------------|----------------|--|----------------|--|----------------|------------------------------------|--------------------|----------------|
| | µg/mL MIC pg/ml | CLSI Interprtn | MIC µg/ml | CLSI Interprtn | MIC µg/ml | CLSI Interprtn | | Zone diam. (mm) | CLSI Interprtn |
| Vancomycin: | = 4 | S | = 3 | S | = 4 | S | NG(72) | = 17 | S |
| Teicoplanin: | = 2 | S | = 3 | S | = 6 | S | | = 16 | S |

S = Susceptible; R = Resistant; NS = Not Susceptible; I =Intermediate; N/A = Not Available P= Pending results

| NARSA Antimicrobial Profile for Other Antimicrobial Agents | | | Molecular Characterization Data | |
|--|------------------------------------|----------------|---------------------------------|----------|
| Drug | µg/mL MIC (pg/ml) | CLSI Interprtn | PCR | Result |
| Ciprofloxacin | = 16 | R | <i>vanA</i> | NEGATIVE |
| Daptomycin | = 2 | N/A | <i>vanB</i> | NEGATIVE |
| Gentamicin | > 16 | R | <i>vanC1</i> | NEGATIVE |
| Oxacillin | > 32 | R | <i>vanC2</i> | NEGATIVE |
| Penicillin | > 8 | R | <i>vanD</i> | NEGATIVE |
| Quinupristin/dalfopristin | = 0.12 | S | <i>vanE</i> | NEGATIVE |
| Tetracycline | = 16 | R | <i>mecA</i> | POSITIVE |
| Trimeth/sulfa | = 16/304 | R | | |

| Genotype Data | |
|------------------------------------|-----------|
| Genotype | Result |
| eGenomic <i>spa</i> type | 7 |
| eGenomic <i>spa</i> repeats | YHGCMQBLO |
| Ridom <i>spa</i> type | t064 |
| SCC <i>mec</i> type | IV |
| Clonal Complex (CC) | 8 |
| Sequence Type (ST) | 8 |
| Genotype Data file | |