

### Staphylococcus aureus - NRS29

Other designations ( HIP09735 )

| Demographic Information:           |   |                    |            |
|------------------------------------|---|--------------------|------------|
| Country/State:                     | United States / North Carolina          | Date of Isolation: | 06/01/2000 |
| Patient Age:                       | 64 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             |                | <sup>a</sup> Conventional Etest<br>0.5 McFarland Std |                | <sup>b</sup> Modified Etest<br>2 McFarland Std |                | <sup>c</sup> BHI<br>Agar<br>Screen | Disk Diffusion     |                |
|--------------|---------------------------------|----------------|--|----------------|--|----------------|------------------------------------|--------------------|----------------|
|              | <del>µg/mL</del><br>MIC (µg/ml) | CLSI Interprtn | MIC µg/ml  | CLSI Interprtn | MIC µg/ml                                      | CLSI Interprtn |                                    | Zone diam.<br>(mm) | CLSI Interprtn |
| Vancomycin:  | = 2                             | S              | = 6  | I              | = 16   | I              | CG(24)                             | = 17               | S              |
| Teicoplanin: | = 2                             | S              | = 4  | S              | = 16   | I              |                                    | = 18               | 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   | <del>µg/mL</del><br>MIC (µg/ml) | CLSI Interprtn | PCR                             | Result   |
| Ciprofloxacin  | > 32                            | 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                                  | = 0.5                           | S              | <i>vanE</i>                     | NEGATIVE |
| Tetracycline   | = 0.12                          | S              | <i>mecA</i>                     | POSITIVE |
| Trimeth/sulfa  | = 16/304                        | R              |                                 |          |

| Genotype Data                      |              |
|------------------------------------|--------------|
| Genotype                           | Result       |
| eGenomic <i>spa</i> type           | 205          |
| eGenomic <i>spa</i> repeats        | WGKAKAOMQQQQ |
| Ridom <i>spa</i> type              | t253         |
| SCC <i>mec</i> type                | II           |
| Clonal Complex (CC)                | 30 (36)      |
| Sequence Type (ST)                 | 36           |
| <a href="#">Genotype Data file</a> |              |