

Staphylococcus aureus - NRS49

Other designations (N/A)

Demographic Information:			
Country/State:	South Korea	Date of Isolation:	08/08/1997
Patient Age:	45 Year(s)	Gender:	Male
Patient Location:	Inpatient	Patient Service:	Hematology/oncology
Culture Source:			
Literature Citation:	Kim, M., et al. 2000. Journal of Clinical Microbiology 38:3879-3881.		
Donor Reported MIC Results (ug/ml)	Vancomycin = 8	Teicoplanin = 16	
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 (µg/ml)	CLSI Interprtn	MIC (µg/ml)	CLSI Interprtn	MIC (µg/ml)	CLSI Interprtn		Zone diam. (mm)	CLSI Interprtn
Vancomycin:	= 4	S	= 6	I	= 12	I	CG(24)	= 17	S
Teicoplanin:	= 16	I	= 12	I	= 24	I		= 14	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 (µg/ml)	CLSI Interprtn	PCR	Result
Ciprofloxacin	> 32	R	<i>vanA</i>	NEGATIVE
Daptomycin	= 2	N/A	<i>vanB</i>	NEGATIVE
Gentamicin	= 0.5	S	<i>vanC1</i>	NEGATIVE
Oxacillin	> 32	R	<i>vanC2</i>	NEGATIVE
Penicillin	> 8	R	<i>vanD</i>	NEGATIVE
Quinupristin/dalfopristin	<= 0.03	S	<i>vanE</i>	NEGATIVE
Tetracycline	> 32	R	<i>mecA</i>	POSITIVE
Trimeth/sulfa	<= 0.12/2.28	S		

Genotype Data

Genotype	Result
eGenomic <i>spa</i> type	232
eGenomic <i>spa</i> repeats	TJMBBMDMGMK
Ridom <i>spa</i> type	t601
SCC <i>mec</i> type	II
Clonal Complex (CC)	5
Sequence Type (ST)	5
Genotype Data file	