

Staphylococcus aureus - NRS283

Other designations (160013)

Demographic Information:			
Country/State:	United Kingdom	Date of Isolation:	03/25/2002
Patient Age:	46 Year(s)	Gender:	Male
Patient Location:	Inpatient ICU	Patient Service:	N/A
Culture Source:			
Literature Citation:	CDR. Staphylococcus aureus with reduced susceptibility to vancomycin. 27 June 2002.		
Donor Reported MIC Results ($\mu\text{g/ml}$)	Vancomycin = 8	Teicoplanin = N/A	
Comment:	Resistance may be lost upon repeated sub-culture		
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	
	$\mu\text{g/ml}$ MIC	CLSI Interprtn	MIC $\mu\text{g/ml}$	CLSI Interprtn	MIC $\mu\text{g/ml}$	CLSI Interprtn		Zone diam. (mm)	CLSI Interprtn
Vancomycin:	= 4	S	= 3	S	= 8	I	IC(48)	18	S
Teicoplanin:	= 4	S	= 6	S	= 24	I		15	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	$\mu\text{g/ml}$ MIC	CLSI Interprtn	PCR	Result
Ciprofloxacin	> 16	R	<i>vanA</i>	NEGATIVE
Clindamycin	> 4	R	<i>vanB</i>	NEGATIVE
Erythromycin	> 8	R	<i>vanC1</i>	NEGATIVE
Gentamicin	= 0.25	S	<i>vanC2</i>	NEGATIVE
Linezolid	= 1	S	<i>vanD</i>	NEGATIVE
Oxacillin	> 16	R	<i>vanE</i>	NEGATIVE
Penicillin	> 2	R	<i>mecA</i>	POSITIVE
Quinupristin/dalfopristin	= 0.5	S		
Trimeth/sulfa	<= 0.25/4.75	S		

Genotype Data

Genotype	Result
eGenomic <i>spa</i> type	16
eGenomic <i>spa</i> repeats	WGKAKAOMQQQ
Ridom <i>spa</i> type	t018
SCC <i>mec</i> type	II
Clonal Complex (CC)	30 (36)
Sequence Type (ST)	36
Genotype Data file	