

Staphylococcus aureus - VRS3b
Other designations (HIP13419)

Demographic Information:			
Country/State:	United States / New York	Date of Isolation:	04/02/2004
Patient Age:	64 Year(s)	Gender:	Female
Patient Location:	Nursing home	Patient Service:	N/A
Culture Source:	Nephrostomy tube		
Literature Citation:	CDC. Brief report: vancomycin-resistant Staphylococcus aureus - New York, 2004. MMWR April 23, 2004;53(15):322-323.		
Donor Reported MIC Results (ug/ml)	Vancomycin > 128	Teicoplanin = 8	
Comment:	VRS3b was isolated from the same patient as VRS3a and is in most aspects identical to VRS3a except the vancomycin resistant phenotype of VRS3b is more stable than VRS3a.		
Repositories:	Glycopeptide Resistant 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 Interpretn	MIC µg/ml	CLSI Interpretn	MIC µg/ml	CLSI Interpretn		Zone diam. (mm)	CLSI Interpretn
Vancomycin:	> 32	R	> 256	R	> 256	R	CG(24)	6	NS
Teicoplanin:	= 32	R	> 256	R	> 256	R		9	R

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 Interpretn	PCR	Result
Ciprofloxacin	> 16	R	vanA	POSITIVE
Clindamycin	> 4	R	vanB	NEGATIVE
Daptomycin	= 0.5	N/A	vanC1	NEGATIVE
Erythromycin	> 8	R	vanC2	NEGATIVE
Gentamicin	> 16	R	vanD	NEGATIVE
Linezolid	= 2	S	vanE	NEGATIVE
Oxacillin	> 16	R	mecA	POSITIVE
Penicillin	> 2	R		
Quinupristin/dalfopristin	= 0.5	S		
Trimeth/sulfa	<= 0.25/4.75	S		