

Staphylococcus aureus - NRS384

Other designations (USA300-0114)

Demographic Information:			
Country/State:	United States / Mississippi	Date of Isolation:	N/A
Patient Age:	N/A	Gender:	N/A
Patient Location:	N/A	Patient Service:	N/A
Culture Source:			
Phenotypic Properties:	MRSA, resistant to ERY, TET		
Genotypic Properties:	PFT is USA300, MLST is ST8, spa type is YHGFMBQBLO, SCCmec IVa, agr group I; PVL+		
Literature Citation:	JCM, 2003, 41:5113-5120.		
Comment:	N/A		
Description:	Community-associated. Strain is associated with outbreaks from correctional facilities in MS, GA, TN, TX, and CA, athletic teams in PA, CA, and MSM (CA).		
Repositories:	Known Clinically Associated Strains - Others Molecular Typing Control Strains		

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 (ug/ml)	CLSI Interptn	PCR <i>mecA</i>	Result POSITIVE
Ciprofloxacin	= 2	I		
Clindamycin	= 0.12	S		
Daptomycin	= 0.5	N/A		
Erythromycin	> 8	R		
Gentamicin	= 1	S		
Linezolid	= 2	S		
Oxacillin	> 16	R		
Penicillin	> 2	R		
Quinupristin/dalfopristin	= 0.25	S		
Teicoplanin	= 0.5	S		
Trimeth/sulfa	$\leq 0.25/4.75$	S		
Vancomycin	= 1	S		

Genotype Data	
Genotype	Result
eGenomic <i>spa</i> type	1
eGenomic <i>spa</i> repeats	YHGFMBQBLO
Ridom <i>spa</i> type	t008
SCC <i>mec</i> type	IV
Clonal Complex (CC)	8
Sequence Type (ST)	8
Genotype Data file	