

Staphylococcus aureus - NRS70

Other designations (N315)

Demographic Information:	
Country/State:	Japan
Date of Isolation:	01/01/1982
Patient Age:	N/A
Gender:	N/A
Patient Location:	N/A
Patient Service:	N/A
Culture Source:	
Phenotypic Properties:	Resistant to erythromycin and spectinomycin
Genotypic Properties:	N/A
Literature Citation:	Kuroda, M., et al. Whole genome sequencing of methicillin-resistant Staphylococcus aureus. The Lancet 2001;357:1225-1240.
Comment:	N/A
Description:	Methicillin-resistant strain isolated in 1982; whole genome sequenced at the National Institute of Technology and Evaluation, Tokyo.
Repositories:	Antibiotic Resistant Strains (other than Glycopeptide) Genome Sequenced Staphylococcus aureus

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 ($\mu\text{g/mL}$)	CLSI Interptn	PCR <i>mecA</i>	Result POSITIVE
Ciprofloxacin	= 0.5	S		
Clindamycin	> 4	R		
Erythromycin	> 8	R		
Gentamicin	= 1	S		
Linezolid	= 1	S		
Oxacillin	> 16	R		
Penicillin	> 2	R		
Quinupristin/dalfopristin	= 0.5	S		
Teicoplanin	= 0.25	S		
Trimeth/sulfa	\leq 0.25/4.75	S		
Vancomycin	= 0.5	S		

Genotype Data	
Genotype	Result
eGenomic <i>spa</i> type	2
eGenomic <i>spa</i> repeats	TJMBMDMGMK
Ridom <i>spa</i> type	t002
SCC <i>mec</i> type	II
Clonal Complex (CC)	5
Sequence Type (ST)	5
Genotype Data file	