

**Staphylococcus aureus - NRS271**

Other designations ( N/A )

## Demographic Information:

Country/State:	United Kingdom	Date of Isolation:	09/26/2002
Patient Age:	52 Year(s)	Gender:	Male
Patient Location:	Inpatient	Patient Service:	N/A
Culture Source:			
Phenotypic Properties:	Linezolid-resistant MRSA		
Genotypic Properties:	G2576T mutation in domain V of 23S rRNA gene (E. coli numbering)		
Lysotypic Properties:	N/A		
Propagation Information:	N/A		
Literature Citation:	Wilson P. et al. 2003. J. Antimicrob. Chemotherapy 51:186-188.		
Comment:	N/A		
Description:	Linezolid-resistant, containing phage type E-MRSA 15		
Repositories:	Antibiotic Resistant Strains (other than Glycopeptide)		

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	MIC ( $\mu\text{g/ml}$ )	CLSI Interptn	PCR <i>mecA</i>	Result POSITIVE
Ciprofloxacin	> 16	R		
Clindamycin	= 0.5	S		
Erythromycin	= 1	I		
Gentamicin	= 1	S		
Linezolid	= 32	NS		
Oxacillin	> 16	R		
Penicillin	> 2	R		
Quinupristin/dalfopristin	= 1	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	382
eGenomic <i>spa</i> repeats	TJJEJNF2MNF2MOMOKR
Ridom <i>spa</i> type	t032
SCC <i>mec</i> type	IV
Clonal Complex (CC)	22
Sequence Type (ST)	22

[Genotype Data file](#)