

***Staphylococcus aureus* - NRS131**  
Other designations ( NCTC8325 (RN2887) )

Demographic Information:			
Country/State:	N/A	Date of Isolation:	N/A
Patient Age:	N/A	Gender:	N/A
Patient Location:	N/A	Patient Service:	N/A
Culture Source:			
Phenotypic Properties:	Chloramphenicol resistance		
Genotypic Properties:	rsbU-,hld-,sak+,cat		
Lysotypic Properties:	Φ13,80α		
Propagation Information:	any rich medium supplemented with chloramphenicol, 5ug/ml		
Literature Citation:	<p>Horinouchi,S., Weisblum B. "Nucleotide sequence and functional map of pC194, a plasmid that specifies inducible chloramphenicol resistance." J. Bacteriol. 1982;150:815-825.</p> <p>Gros, M.F., te Riele H., et al. "Rolling circle replication of single-stranded DNA plasmid pC194." Embo J. 1987;6: 3863-9.</p> <p>Novick, R.P. The Staphylococcus as a molecular genetic system. Molecular Biology of the Staphylococci. R.P. Novick. New York. VCH Publishers 1990: 1-37.</p>		
Comment:			
Description:	pC194 is a 3.2 kb rolling circle plasmid encoding inducible chloramphenicol transacetylase and is the basis for many cloning vectors.		
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 $\mu\text{g/mL}$ ( <del>ppm</del> )	CLSI Interptn	PCR	Result
			<i>mecA</i>	NEGATIVE
Chloramphenicol	= 64	R		
Ciprofloxacin	<= 0.06	S		
Clindamycin	= 0.06	S		
Erythromycin	= 0.5	S		
Gentamicin	= 0.25	S		
Linezolid	= 1	S		
Oxacillin	= 0.25	S		
Penicillin	= 0.12	S		
Quinupristin/dalfopristin	= 0.25	S		
Teicoplanin	= 1	S		
Trimeth/sulfa	<= 0.25/4.75	S		
Vancomycin	= 1	S		

Genotype Data	
Genotype	Result

<b>eGenomic <i>spa</i> type</b>	158
<b>eGenomic <i>spa</i> repeats</b>	WFGKAKAOMQQ
<b>Ridom <i>spa</i> type</b>	t238
<b>SCC<i>mec</i> type</b>	-
<b>Clonal Complex (CC)</b>	30
<b>Sequence Type (ST)</b>	30
<a href="#">Genotype Data file</a>	