

Table S2. A list of the thirty-three tested antimicrobials, their classes, and the concentrations used for susceptibility testing of*Staphylococcus aureus*

Antimicrobial categories	Antibiotics	Abbreviation	Content (%)	Concentration range (µg/mL)
Penicillins	penicillin	PEN	90%	0.125-256
	methicillin	MEC	85%	0.25-512
	oxacillin	OXA	90%	0.25-512
Cephalosporins	ceftriaxone	CRO	90%	0.0625-128
	ceftiofur	CEF	98%	0.0625-128
	cefquinome	CEQ	90%	0.0625-128
	cefepime	CEP	90%	0.0625-128
β-lactams/β-Lactamase inhibitors	Imipenem	IMP	90%	0.0625-128
	Cefopcrizone and Sulbactam Sodium (2:1)	-	90%	0.0625-128
	Piperacillin and Tazobactam Sodium (4:1)	-	90%	0.0625-128
	ciprofloxacin	CIP	88.4%	0.0625-128
Fluoroquinolones	enrofloxacin	ENO	98%	0.0625-128
	levofloxacin	LEV	90%	0.0625-128
	gentamicin	GEN	65%	0.25-512
Aminoglycosides	amikacin	AMK	60%	0.0625-128
	neomycin	NEM	65%	0.0625-128
	chloramphenicol	CHL	90%	0.0625-128
Amphenicols	florfenicol	FLO	98%	0.0625-128
	tylosin	TYL	95%	0.0625-128
Macrolides	erythromycin	ERY	90%	0.0625-128
	Lincomycin	LIN	90%	0.0625-128
Tetracyclines	tetracycline	TET	87.8%	0.25-512
	terramycin	TER	85%	0.0625-128
	doxycyclin	DOX	80%	0.0625-128
	tigecycline	TGC	94%	0.0625-128
Quinoxalines	olaquindox	OLA	80%	0.0625-128
	mequindox	MEQ	80%	0.0625-128
independent class of antibiotics	fosfomycin	FOS	90%	0.25-512
Rifamycines	rifampicin	RIF	90%	0.0625-128
polypeptides	vancomycin	VAN	90%	0.0625-128
	Bacitracin	BAT	61 units per mg	0.25-512
Oxazolidinones	antimicrobial peptide	APT	90%	0.0625-128
	linezolid	LZD	99%	0.0625-128