

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Blood/Systemic Isolates | January 2020 - December 2020

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(2)	Ceftriaxone(2)	Meropenem	Gentamicin	Ciprofloxacin(7)	Levofloxacin(7)	Moxifloxacin	Trimethoprim/Sulfa	Clindamycin(5)	Daptomycin(6)	Erythromycin(5)	Nitrofurantoin(3)	Linezolid(4)	Vancomycin	Tetracycline(7)	Gentamicin Synergy(8)	Streptomycin Synergy(8)	Penicillin (non-CSF)(2)	Penicillin V (oral)(2)	Cefotaxime (non-CSF)(2)	Ceftriaxone (non-CSF)(2)	
<i>Staph. aureus</i> (MSSA) 62%	13	--	--	100	--	--	--	--	100	100	100	100	100	100	100	92	--	100	100	100	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 38%	8	--	--	0	--	--	--	--	100	25	25	88	88	38	100	0	--	100	100	75	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	17	--	--	47	--	--	--	--	88	76	76	94	71	47	100	24	--	100	100	94	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	5	60	--	--	100	80	80	80	--	--	100	--	60	100	--	60	--	--	100	80	--	--	80	60	100	100	100
<i>Enterococcus faecalis</i>	2	100	100	--	--	R	R	--	--	100	100	--	R	R	100	--	--	100	100	50	100	100	--	--	--	--	--
<i>Enterococcus faecium</i>	0	--	--	--	--	R	R	--	--	--	--	--	R	R	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	1	100	100	--	--	R	R	--	--	100	100	--	R	R	100	--	--	100	100	100	100	100	--	--	--	--	--

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

R Organism has intrinsic resistance to this antimicrobial.

-- Not tested/indicated for organism.

* Antibiograms created for organisms with less than 30 total isolates have questionable statistical significance. Interpret data with caution.

(1) Oxacillin predicts susceptibility to most cephalosporins, carbapenems, and beta-lactam/beta-lactamase inhibitors.

(2) For *S. pneumoniae*: cefotaxime, ceftriaxone, and penicillin % susceptible listed is based on parenteral CSF (meningitis), parenteral non-CSF, and oral MIC breakpoints.

(3) Nitrofurantoin is reported for isolates from urine only.

(4) Linezolid is reported for isolates from non-urine sources only.

(5) For *Staphylococcus spp.*: clindamycin and erythromycin are reported for isolates from non-urine sources only.

(6) For *Staphylococcus spp.*: daptomycin is reported for isolates from non-respiratory sources only.

(7) For all *Enterococcus spp.*: ciprofloxacin, levofloxacin, and tetracycline are reported for isolates from urine only.

(8) For *E. faecalis* and *E. faecium*: gentamicin and streptomycin high-level resistance testing is reported for isolates from blood cultures only.

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% Susceptible Negative	Gram	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefotaxime	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin (1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>		24	83	83	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	ND	ND	96	--	79	100
<i>Klebsiella pneumoniae</i>		8	R	88	100	88	0	88	100	88	88	100	88	100	100	100	100	100	88	ND	ND	88	--	88	100
<i>Proteus mirabilis</i>		5	100	100	100	100	100	100	100	100	100	100	100	100	--	100	100	100	100	ND	ND	100	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>		1	R	R	0	R	0	0	--	0	100	R	0	100	--	100	100	100	100	ND	ND	100	--	100	100
<i>Enterobacter cloacae</i> complex		0	R	R	--	R	--	--	--	--	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Serratia marcescens</i>		1	R	R	100	R	--	100	100	100	R	100	100	--	100	100	100	100	100	ND	ND	100	R	0	100
<i>Pseudomonas aeruginosa</i>		4	R	R	100	R	R	100	100	R	75	R	100	R	100	100	100	100	100	ND	ND	R	--	R	--
<i>Acinetobacter baumannii</i>		0	R	--	--	R	--	--	--	--	R	R	R	--	--	--	--	--	--	--	--	--	--	--	--
<i>Citrobacter freundii</i> complex		1	R	R	100	R	100	100	--	100	100	R	100	100	--	100	100	100	100	ND	ND	0	--	100	100
<i>Morganella morganii</i>		0	R	--	--	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	R	R	--
<i>Providencia</i> spp.		2	R	0	100	R	--	100	100	100	100	100	100	100	--	100	100	0	0	ND	ND	100	R	R	0
<i>Salmonella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>		0	R	R	R	R	R	--	--	--	--	R	R	R	R	R	R	R	R	--	--	--	--	R	--
<i>Klebsiella oxytoca</i>		3	R	67	100	0	50	67	100	67	67	100	67	100	100	100	100	67	67	ND	ND	67	--	67	100
<i>Haemophilus influenzae</i>		2	Beta-lactamase positive: 0%																						

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

R Organism has intrinsic resistance to this antimicrobial.

ND No data; unable to compile client and/or group-specific data. Please see PLS "All Clients, All Isolates" antibiogram.

-- Not tested/indicated for organism.

* Antibiograms created for organisms with less than 30 total isolates have questionable statistical significance. Interpret data with caution.

(1) Nitrofurantoin is reported for isolates from urine only.

(2) For *A. baumannii*: tetracycline is reported for isolates from urine only.