

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Blood/Systemic Isolates | January 2018 - December 2018

% 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) 70%	16	--	--	100	--	--	--	--	94	88	94	94	100	69	100	63	--	100	100	94	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 30%	7	--	--	0	--	--	--	--	100	0	0	29	100	57	100	14	--	100	100	100	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	23	--	--	39	--	--	--	--	87	48	48	74	65	70	100	39	--	100	100	91	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	7	100	--	--	100	100	100	100	--	--	100	--	100	83	--	86	--	--	100	86	--	--	100	100	100	100
<i>Enterococcus faecalis</i>	6	100	100	--	--	R	R	--	--	83	83	--	R	R	100	--	--	100	100	17	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	--	--	--	--	--	--

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 Gram Negative	Total*	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin ⁽¹⁾	Tetracycline ⁽²⁾
<i>Escherichia coli</i>	26	46	58	92	77	81	88	88	88	88	88	88	100	100	100	100	92	88	88	73	--	85
<i>Klebsiella pneumoniae</i>	8	R	88	100	75	75	88	88	88	88	75	88	100	100	100	88	88	88	100	88	--	63
<i>Proteus mirabilis</i>	3	33	67	100	100	100	100	100	100	100	100	100	100	100	100	67	67	0	67	33	R	R
<i>Enterobacter aerogenes</i>	1	R	R	100	R	R	100	100	100	100	R	100	100	100	100	100	100	100	100	100	--	100
<i>Enterobacter cloacae</i>	2	R	R	100	R	R	100	100	100	100	R	50	100	100	100	100	100	100	100	100	--	100
<i>Serratia marcescens</i>	0	R	R	--	R	R	--	--	--	--	R	--	--	--	--	--	--	--	--	--	R	--
<i>Pseudomonas aeruginosa</i>	4	R	R	100	R	R	R	100	R	100	R	100	R	100	100	100	100	100	100	R	--	R
<i>Acinetobacter baumannii</i>	1	R	100	--	R	R	100	100	100	100	R	R	R	100	100	100	100	100	100	100	--	100
<i>Citrobacter freundii</i>	0	R	R	--	R	R	--	--	--	--	R	--	--	--	--	--	--	--	--	--	--	--
<i>Morganella morganii</i>	0	R	--	--	R	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	R	R
<i>Providencia spp.</i>	0	R	--	--	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	0	R	R	R	R	R	R	--	R	--	R	R	R	R	R	R	R	--	--	--	--	R
<i>Klebsiella oxytoca</i>	2	0	50	100	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	--	100
<i>Haemophilus influenzae</i>	0	Beta-lactamase positive: --%																				

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

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