

Edinburg Regional Medical Center 2019- All Sites

Gram Positive Pathogens % Sensitive (Sensitivities based on blood drug concentrations. Results may not be applicable to urine infections where antimicrobial concentrations are higher)	# Isolates	Penicillins		FQs		AGs ²	Other/Misc.						
		Ampicillin	Oxacillin	Ciprofloxacin	Levofloxacin	Gentamicin	Tetracycline	Clindamycin	Trimeth/Sulfa	Nitrofurantoin ³	Rifampin ⁴	Vancomycin ⁵	Linezolid
<i>Enterococcus faecalis</i>	194	100	-	77	77	53	24	-	-	98	±	100	96
<i>Enterococcus faecalis</i> VRE ^{6,4}	1	100	-	-	±	100	100	-	-	100	±	-	-
<i>Enterococcus faecium</i> ⁶	27	-	-	-	4	88	18	-	-	11	±	18	96
<i>Enterococcus faecium</i> VRE ⁶	29	-	-	-	-	79	17	-	-	7	±	0	100
<i>Staphylococcus aureus</i>	368	±	54	67	66	92	92	72	91	100	99	100	100
MSSA ¹ (55%)	211	±	100	93	92	96	92	82	100	99	100	100	100
MRSA (45%)	174	-	-	36	36	86	93	62	80	100	98	100	100
<i>Staphylococcus epidermidis</i>	46	±	26	33	35	65	76	43	57	96	92	100	100
<i>Staphylococcus hominis</i> ⁶	14	-	50	86	93	100	50	43	79	100	100	100	100
<i>Streptococcus agalactiae</i> ⁶	9	100	+	±	100	±	23	45	+	-	-	100	100
<i>Streptococcus pneumoniae</i> ^{6,7}	3	+	+	±	100	±	33	33	68	±	±	100	100
Lack of data indicates that the organism is intrinsically resistant to the antibiotic or that insufficient hospital susceptibility data exists													
<p>AGs=Aminoglycosides, FQs=Fluoroquinolones, MSSA= Methicillin Susceptible Staphylococcus Aureus, MRSA= Methicillin Resistant Staphylococcus Aureus, VRE= Vancomycin Resistant Enterococcus, + = usually susceptible, ± = variably susceptible/resistant, - = usually resistant</p> <p>¹ Oxacillin or Cefazolin 1st line therapy for MSSA</p> <p>² Not for monotherapy in gram positive infections. For gram positive synergy with Beta-Lactams or Vancomycin</p> <p>³ For uncomplicated urinary tract infections only Not to be used alone for antimicrobial therapy due to quick emergence of resistance</p> <p>⁴ 1st line therapy for severe MRSA infections</p> <p>⁵ % susceptibility results based on small numbers (<30 isolates). Interpret results with caution.</p> <p>⁶ 100% susceptible to Cefotaxime/Ceftriaxone</p> <p>⁷</p>													

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Gram Negative Pathogens % Sensitive <small>(Sensitivities based on blood drug concentrations. Results may not be applicable to urine infections where antimicrobial concentrations are higher)</small>	# Isolates	Penicillins			Cephalosporins					FQs		AGs			Other/Misc.		
		Ampicillin	Ampicillin/Sulb	Piperacillin/Taz	Cefazolin (1 st gen)	Cefoxitin (2 nd gen)	Ceftriaxone (3 rd gen)	Ceftazidime (3 rd gen)	Cefepime (4 th gen)	Ciprofloxacin	Levofloxacin	Amikacin	Gentamicin	Tobramycin	Trimeth/Sulfa	Nitrofurantoin ²	Meropenem ³
<i>Acinetobacter baumannii</i>	18	-	39	28	-	-	-	28	33	±	33	±	44	33	61	-	44
<i>Citrobacter freundii</i> ^{1, 4}	13	-	-	77	0	-	69	62	85	-	69	+	69	69	85	92	100
<i>Citrobacter koseri</i> ^{1, 4}	21	-	-	100	100	-	100	100	100	+	95	+	100	100	100	100	100
<i>Enterobacter aerogenes</i> ^{1, 4}	35	-	-	71	0	-	63	63	97	-	89	+	91	88	88	34	100
<i>Enterobacter cloacae</i> ^{1,4}	48	-	-	91	0	-	89	89	98	-	93	+	98	100	87	40	98
<i>Escherichia coli</i>	1163	30	41	93	78	-	81	81	81	-	62	+	80	77	56	95	100
<i>Escherichia coli</i> ESBL	227	0	18	82	-	-	-	-	-	-	14	+	59	35	42	89	100
<i>Klebsiella oxytoca</i> ⁴	16	0	56	75	63	±	81	81	81		75	+	94	94	63	94	88
<i>Klebsiella pneumonia</i>	247	0	58	84	69	±	73	73	82	±	82	+	79	77	65	27	95
<i>Klebsiella pneumoniae</i> ESBL	61	0	2	67	0	-	-	-	-	±	52	+	23	18	5	13	97
<i>Morganella morganii</i> ⁴	28	0	14	97	0	±	89	75	100	±	65	+	75	72	33	0	100
<i>Proteus mirabilis</i>	182	72	78	100	92	+	100	99	100		83	+	88	87	71	0	100
<i>Pseudomonas aeruginosa</i>	177	-	0	79	0	-	-	78	76	+	72	+	89	91	0	-	84
<i>Serratia marcescens</i> ^{1,4}	21	-	-	100	0	-	95	100	100	+	95	+	95	95	95	0	100
<i>Stenotrophomonas maltophilia</i>	18	-	-	74	-	-	-	-	-	±	84	-	-	-	89	-	-

Lack of data indicates that the organism is intrinsically resistant to the antibiotic or that insufficient hospital susceptibility data exists

AGs=Aminoglycosides, FQs=Fluoroquinolones, ESBL= Extended Spectrum Beta-Lactamase, + = usually susceptible, ± = variably susceptible/resistant, - = usually resistant

¹ May develop resistance during prolonged therapy with 3rd generation cephalosporins. Isolates that are initially susceptible may become resistant within three to four days after initiation of therapy. Testing of repeat isolates may be warranted.

² For uncomplicated urinary tract infections only

³ Restricted to Infectious Disease consult

⁴ % susceptibility results based on small numbers (<30 isolates). Interpret results with caution.

⁵ Do not use if MIC >16.