

Prepared by: Russell Rawling, MS, Microbiology Manager

Organism	Number of Isolates*	Ampicillin	Amoxicillin/clavulanate	Ampicillin/sulbactam	Piperacillin/tazobactam	Cefazolin**	Cefoxitin	Cefepime	Ceftazidime	Ceftriaxone	Ertapenem	Meropenem	Ciprofloxacin	Levofloxacin	Gentamicin#	Tobramycin	Amikacin	Tetracycline (Doxycycline)	Trimethoprim/sulfamethoxazole (Bactrim)	Nitrofurantoin	Fosfomycin	Clindamycin	Erythromycin	Azithromycin	Oxacillin†	Penicillin	Vancomycin	Rifampin#	Linezolid	Gentamicin-Synergy	Streptomycin-Synergy
ESCHERICHIA COLI (includes ESBL)	1975	52	80	62	96	84	89	91	91	91	100	100	80	80	92	91	100	78	78	95											
ESCHERICHIA COLI - ESBL	119	0	36	21	86	0	49	0	0	0	99	100	36	34	79	63	98	41	43	80	96										
KLEBSIELLA PNEUMONIAE	389	0	96	88	95	96	95	100	100	100	100	100	99	99	99	99	100	87	95	51											
PROTEUS MIRABILIS	206	83	100	94	100	93	97	100	100	100	99	100	80	83	97	97	100	0	82	0											
ENTEROBACTER CLOACAE COMPLEX	155	0	0	0	91	0	0	97	89	85	99	97	96	97	99	98	100	81	91	58											
KLEBSIELLA OXYTOCA	82	0	92	72	98	70	100	100	100	98	100	100	100	100	100	100	100	95	99	97											
SERRATIA MARCESCENS	75	0	0	0	97	0	17	100	100	95	100	100	100	100	98	88	98	67	98	0											
MORGANELLA MORGANI	44	0	9	0	98	0	9	100	75	82	100	100	89	89	95	95	100	0	84	0											
CITROBACTER KOSERI	42	0	0	0	90	93	88	100	100	98	100	100	100	100	100	100	100	92	100	96											
ENTEROBACTER AEROGENES	38	0	0	0	84	0	0	100	84	84	100	100	97	97	100	100	100	100	100	12											
PSEUDOMONAS AERUGINOSA	424	NI [¶]	NI [¶]	NI [¶]	87	NI [¶]	NI [¶]	93	91	NI [¶]	NI [¶]	92	82	76	93	98	99	NI [¶]	NI [¶]	NI [¶]											
ENTEROCOCCUS SP., VSE	201	93											72	75				26		91						100		100	85	73	
ENTEROCOCCUS SP., VRE	42	5											0	0				0		12						0		100	93	86	
STAPH. AUREUS, MSSA	910												90	99				94	96	100	77	63		100	0	100	100	100			
STAPH. AUREUS, MRSA	635												32	99				93	96	99	74	10		0	0	100	99	100			
STAPHYLOCOCCUS EPIDERMIDIS	190												56	87				76	56	100	56	39		39	0	97	99	100			
STAPH. SPECIES, COAG. NEG	124												76	98				81	76	99	65	33		59	0	100	99	100			
HAEM INFLUENZAE COMM WIDE	183	59							100				99	100				100	63				100								
STREP PNEUMONIAE COMM WIDE	113								94				99					75	85		77	58	58		96 [§]	100		100			
GROUP A STREP - THROAT, COMM WIDE	50																				100	96	96		100						
GROUP B STREP - OB, COMM WIDE	50																				34				100						

* Note: isolates from all sources; urine, blood, respiratory, wound, etc.

** For uncomplicated UTIs, Cefazolin MIC results less than or equal to 16 mcg/ml predict susceptibility of the following oral cephalosporins: cefaclor, cefdinir, cefpodoxime, cefprozil, cefuroxime, and cephalexin.

† Oxacillin-susceptible Staph are also susceptible to other penicillinase-resistant penicillins, betalactam/betalactamase inhibitor combinations, cepheps, and carbapenems FDA-approved to treat Staph infections.

Gentamicin and Rifampin may be used in combination with other drugs against Staph isolates.

§ 96% were in the intermediate or susceptible range, indicating many could be treated for pneumonia with appropriate dosing of an IV penicillin.

¶ NI = drug not active.

The percentages in red are greater than or equal to 80% susceptibility, potentially useful for empiric therapy.