

**WISCONSIN DIAGNOSTIC LABORATORIES**  
**Outpatient In-Vitro Antimicrobial Susceptibility Summary**  
**Percent Susceptible**  
**2019**

Outpatient in-vitro susceptibility data represented in this antibiogram includes Froedtert Enterprise (CP) clinics not located on FMLH Campus, and other non-Froedtert affiliated outpatient and outreach clinics. Please refer to Froedtert Hospital Outpatient Clinics In-Vitro Antimicrobial Susceptibility Summary for outpatient clinics located on FMLH Campus (e.g. Specialty Clinics, CFAC, Cancer Center, GI Clinic).

	# of Isolates	Aminoglycosides				Beta-lactam Antibiotics										Cephalosporins				Quinolones																				
		Gentamicin	Gentamicin 500 Synergy <sup>d</sup>	Tobramycin	Amikacin	Streptomycin 1000 Synergy <sup>d</sup>	Amoxicillin	Amoxicillin / Clavulanate Acid	Ampicillin	Ampicillin / Sulbactam	Aztreonam	Ertapenem	Meropenem	Penicillin	Penicillin (IV)	Penicillin (Oral)	Piperacillin / Tazobactam	Oxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Cefepime	Ceftaroline	Cefuroxime	Ciprofloxacin	Moxifloxacin	Levofloxacin	SXT	Tetracycline	Minocycline	Doxycycline	Linezolid	Clindamycin	Erythromycin	Daptomycin	Vancomycin	Nitrofurantoin <sup>e</sup>			
<i>Achromobacter xylosoxidans</i>	≤10																																							
<i>Acinetobacter baumannii</i> complex	13	85		92	100				100	0		100								38	77	77			83			83												
<i>Acinetobacter</i> species	22	95		95	95				95	0		93								59	87	97			93			95												
<i>Aeromonas</i> species	16	88			100			0	17	100	93					100		19	75	100	100			94	100			100	81											
<i>Alcaligenes faecalis</i>	≤10																																							
<i>Citrobacter freundii</i> complex <sup>a</sup>	104	93		95	100		0	0	0	90	100	100				86		0	86	86	98			0	93			88	84										89	
<i>Citrobacter amalonticus/farmeri</i>	≤10																																							
<i>Citrobacter koseri/diversus</i>	135	100		99	100		97	0	96	100	100	100				98		94	98	98	99			90	99			100	100										41	
<i>Enterobacter cloacae</i> complex <sup>b</sup>	145	99		99	100		0	0	0	85	99	100				79		0	80	80	94			0	98			88	91										15	
<i>Escherichia coli</i>	4940	94		94	100		84	62	65	96	100	100				94		82	95	95	96			93	88			82	82										98	
<i>Klebsiella aerogenes</i>	100	99		99	100		0	0	0	90	100	99				89		0	89	89	97			0	96			98	98											17
<i>Klebsiella oxytoca/Raoultella ornithinolytica</i>	133	95		95	100		92	0	52	94	100	100				92		35	93	93	94			91	94			89	86										83	
<i>Klebsiella pneumoniae</i>	675	98		98	100		91	0	83	95	100	99				93		87	95	95	95			91	94			90	85										37	
<i>Morganella morganii</i>	45	96		96	100		0	0	22	100	100	100				91		0	91	91	100			0	87			82	49										0	
<i>Proteus mirabilis</i>	370	96		96	99		97	91	95	99	100	100				98		0	99	99	100			97	93			95	0										0	
<i>Proteus vulgaris/hauseri</i>	13	100		92	100		85	0	33	100	100	100				85		0	85	85	92			8	100			92	0										0	
<i>Proteus penneri</i>	≤10																																							
<i>Providencia rettgeri</i>	12	92		100	100		0	0	58	92	100	100				92		0	92	92	92			0	83			92	50										0	
<i>Providencia stuartii</i>	≤10																																							
<i>Pseudomonas aeruginosa</i>	263	97		99	99					90		96				94				95	97				84															
<i>Pseudomonas</i> sp. not <i>aeruginosa</i>	18	94		100	100							78				94				94	94				83	88			50											
<i>Salmonella</i> species	15							87																	0			93												
<i>Serratia marcescens</i>	40	98		88	100		0	0	0	100	100	100				95		0	95	95	100			0	90			0											0	
<i>Stenotrophomonas maltophilia</i>	49	0		0	0					0		0								0	53	26					100	100												
<i>Enterococcus faecalis</i>	954		89			91		99																	90 <sup>e</sup>			26 <sup>e</sup>				99						99	99	
<i>Enterococcus faecium</i>	40		95			78		45																	48 <sup>e</sup>			40 <sup>e</sup>			90							59		
<i>Staphylococcus coagulase negative</i>	377	98														74 <sup>c</sup>	74								89			88		95							100	99		
<i>Staphylococcus coagulase positive</i>	872	99														75 <sup>c</sup>	75						100 <sup>d</sup>	78	78			98	91	95	100	79	56	100	100	100	100			
<i>Streptococcus</i> Group B	54																			98								19						44	26			100		
<i>Streptococcus dysgalactiae/canis</i>	24																			100								75						83	87			100		
<i>Streptococcus pneumoniae</i>	23					100																				95		78	78						83	35			100	
<i>Streptococcus pneumoniae</i> (Meningitis)																67																								
<i>Streptococcus pneumoniae</i> (Non-Meningitis)																100																								
<i>Streptococcus viridans</i>	88															94																							77	100

<sup>a</sup>*Citrobacter freundii* complex includes *C. braakii*, *C. freundii*, *C. gillenii*, *C. murliniae*, *C. rodentium*, *C. sedlakii*, *C. werkmanii*, and *C. youngae*

<sup>b</sup>*Enterobacter cloacae* complex includes *E. cloacae*, *E. asburiae*, *E. hormaechei*, *E. kobei*, *E. ludwigii*, and *E. nimipressuralis*

<sup>c</sup>Oxacillin resistant *Staphylococcus* species are considered resistant to other beta lactam agents including: β-lactam/β-lactamase inhibitor combinations, cepheems (with the exception of the cephalosporins with anti-MRSA activity), and carbapenems.

<sup>d</sup>For treatment of blood isolates only

<sup>e</sup>For treatment of urine isolates only

**\*\*Results for species with <30 isolates may lack statistical validity due to large confidence intervals**