



Marshfield Labs™

A division of Marshfield Clinic

2015 Outpatient Cumulative Antibigram

Microbiology Section
Division of Laboratory Medicine, Marshfield Clinic
Marshfield Wisconsin

Contact Dr. Thomas Novicki or Dr. Thomas Fritsche at ext. 16300 (715-221-6300) for additional information regarding this report. Contact the Marshfield Clinic Pharmacy Drug Information Service at ext. 19800 (715-221-9800) for dosing and other drug information.

Select Gram Negative Bacilli

% Susceptible	<i>Citrobacter freundii</i>	<i>Enterobacter aerogenes</i>	<i>Enterobacter cloacae</i>	<i>Escherichia coli</i>	<i>Haemophilus influenzae (1,2)</i>	<i>Klebsiella pneumoniae</i>	<i>Klebsiella oxytoca</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas aeruginosa</i>	<i>Stenotroph. maltophilia (2)</i>
Max. # Tested	45	29	48	1,673	76	221	68	89	89	41
Amikacin	98%	100%	100%	100%	-	100%	100%	100%	100%	-
Ampicillin	0%	0%	0%	64%	78%	0%	0%	12%	0%	-
Ampicillin/ Sulbactam	91%	48% >	46%	71%	-	91%	72%	98%	0%	-
Aztreonam	93%	93%	94%	98%	-	99%	99%	100%	93%	-
Cefazolin	0%	0%	0%	79%	-	90%	37%	12%	0%	-
Cefepime	98%	100%	100%	100%	-	100%	100%	100%	99%	-
Ceftazidime	91%	93%	96%	98%	-	99%	100%	100%	100%	73%
Ceftriaxone	91%	90%	96%	96%	-	98%	99%	100%	0%	-
Ciprofloxacin	93%	100%	98%	87%	-	98%	100%	81%	92%	-
Gentamicin	96%	100%	98%	94%	-	99%	100%	83%	100%	-
Levofloxacin	96%	100%	98%	87%	-	99%	100%	82%	91%	80%
Meropenem	100%	100%	100%	100%	-	100%	100%	100%	98%	-
Nitrofurantoin	98%	81%	74%	99%	-	92%	97%	0%	0%	-
Piperacillin/ Tazobactam	98%	93%	96%	99%	-	99%	97%	100%	100%	-
Tetracycline	84%	90%	90%	82%	-	86%	88%	0%	0%	-
Tobramycin	98%	100%	100%	95%	-	99%	100%	88%	100%	-
Trimethoprim/ Sulphamethoxazole	82%	97%	92%	85%	-	93%	99%	82%	0%	98%

Footnotes

(1) Based upon beta-lactamase enzyme detection.

(2) Combined Marshfield Clinic & Ministry St. Joseph's Hospital data.

Select Gram Positive Cocci

% Susceptible	<i>Enterococcus</i> sp.	<i>Staphylococcus aureus</i>	<i>Staphylococcus epidermidis</i>	<i>Streptococcus pneumoniae</i> (1)
Max. # Tested	232	621	144	36
Ampicillin	97%	-	-	-
Ceftriaxone (meningitis)	-	-	-	89%
Ceftriaxone (nonmeningitis)	-	-	-	100%
Clindamycin	-	76%	34%	-
Daptomycin	100%	100%	100%	-
Erythromycin	-	60%	4%	54% (2)
Gentamicin synergy (3)	72%	-	-	-
Levofloxacin	77%	76%	42%	100%
Linezolid	100%	100%	100%	100%
Nitrofurantoin	98%	100%	100%	-
Oxacillin (4)	-	76%	38%	-
Penicillin	-	21%	32%	-
Penicillin (oral and meningitis)	-	-	-	81%
Penicillin (nonmeningitis)	-	-	-	97%
Tetracycline	25%	94%	85%	86%
Trimethoprim/ Sulphamethoxazole	0%	99%	-	83%
Vancomycin	98%	100%	100%	100%

Footnotes

(1) Combined Marshfield Clinic & Ministry St. Joseph's Hospital data.

(2) Erythromycin result also predicts response to azithromycin, clarithromycin, & dirithromycin.

(3) Synergy is predicted when the isolate is susceptible to gentamicin AND a cell wall - active agent (i.e. ampicillin or vancomycin). Gentamicin cannot be used in monotherapy against enterococci.

(4) Oxacillin (methicillin) resistant isolates are resistant to all penicillins, cephalosporins,