

Sanford Health Bismarck **GRAM-NEGATIVE** Antibigram: 2023 (January – December 2022 data)

AMBULATORY (OUTPATIENT DATA)

% susceptible

Organism	NUMBER OF ISOLATES	Ampicillin	Ampicillin / Sulbactam	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Levofloxacin	Gentamicin	Meropenem	Nitrofurantoin – Urine only	Piperacillin-Tazobactam	Tobramycin	Trimeth/Sulfa
<i>Citrobacter freundii</i>	97	0	0	0	96	87	78↓↓	95	96	99	100	78↓↓ (92)^	95	98	90
<i>Enterobacter cloacae</i>	75	0	0	0	92	81	72	92	93	97	97	30 (50)	93	97	93
<i>Escherichia coli</i>	2980	63↓	67↓	94↓	97	97	97	87	90	94↓	100	99 (2940)	99	96↓	84
<i>Klebsiella aerogenes</i>	56	0	0	0	100	89	84	95	96	100	100	31 (52)	96	100	100
<i>Klebsiella oxytoca</i>	85	0	68	14	95	96	93	94	100	98	100	90 (69)	95	96	94
<i>Klebsiella pneumoniae</i>	348	0	88	97	98	98	98	91↓	95	99	100	56↓ (329)	99	98	93
<i>Proteus mirabilis</i>	134	94	97	96	98	100	100	86	87	100	100	0	99	100	96
<i>Pseudomonas aeruginosa</i>	160	-	-	-	96	95	-	84	83	89	96	-	96	98	-
<i>Serratia marcescens</i>	19!	0	0	0	100	79	74	95	100	100	100	0	89	95	100

-: Not Tested / Not Clinically Effective

!: <30 isolates may not be clinically significant

^: Number in parentheses is number of isolates in this case

↑ or ↓ = statistically significant change of 1-9%

↑↑ or ↓↓ = statistically significant change of ≥10%

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Sanford Health Bismarck **GRAM-POSITIVE** Antibigram: 2023 (January – December 2022 data)

AMBULATORY (OUTPATIENT DATA)

% susceptible

Organism	NUMBER OF ISOLATES	Ampicillin	Ceftriaxone	Ciprofloxacin	Levofloxacin	Gentamicin	Clindamycin	Erythromycin	Nitrofurantoin –Urine only	Oxacillin	Penicillin Non-meningitis Isolates	Peniculin Meningitis	Tetracycline	Trimeth/sulfa	Vancomycin	Linezolid
<i>Enterococcus faecalis</i>	198	99	-	86	89	@	-	-	100 (167)^	-	-	-	-	-	100	99
<i>Enterococcus faecium</i>	11!	64	-	36	64	@	-	-	40 (10)!	-	-	-	-	-	73	100
<i>Staphylococcus aureus</i> MSSA	392	-	-	-	-	-	96 (361)	70 (361)	100 (31)	100	-	-	92#	99 (389)	100	100
<i>Staphylococcus aureus</i> MRSA	145	-	-	-	-	-	89 (136)	24 (136)	100 (9)!	0	-	-	92#	98	100	100
<i>Staphylococcus epidermidis</i>	116	-	-	-	-	-	59 (32)	31 (32)	84	55	-	-	86#	69	100	100
<i>Streptococcus pneumoniae</i>	14!	-	86*	-	100	-	92 (13)	54 (13)	-	-	100	64	100	93	100	-

-: Not tested / Not clinically effective

!: <30 isolates may not be clinically significant

*Meningitis isolates only; non-meningitis isolates: 100%

@Gentamicin high-level synergy susceptibility is 100% for *E. faecium*, 89% for *E. faecalis*

#: Isolates susceptible to tetracycline are susceptible to doxycycline and minocycline

^: Number in parentheses is number of isolates in this case

↑ or ↓ = statistically significant change of 1-9%

↑↑ or ↓↓ = statistically significant change of ≥10%