

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

INPATIENT + 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>	176	-	-	-	95	87	78	92	94	99	99	79↓↓ (154)^	93	99	93
<i>Enterobacter cloacae</i>	148	0	-	-	87	76	67	92	93	95	97	24↓↓ (90)	87	95	92
<i>Escherichia coli</i>	3983	63	68↓	93↓	97	97	96	85	88	95	100	99 (3814)	99	96↓	84
<i>Klebsiella aerogenes</i>	87	-	-	-	98	87	82	95	98	100	99	31 (72)	93	100	100
<i>Klebsiella oxytoca</i>	152	-	64	15	97	97	92	95	99	98	100	94 (113)	94	97	93
<i>Klebsiella pneumoniae</i>	556	-	88	96	97	97	97	92	96	99	100	57↓ (496)	98	98	94
<i>Proteus mirabilis</i>	263	85	95	92	98	100	100	74	75	98	100	0	99	99	86
<i>Pseudomonas aeruginosa</i>	363	-	-	-	93	95	-	81	79	89↑	92	-	95	98	-
<i>Serratia marcescens</i>	50	-	-	-	100	86	82	92	98	100	100	0	96	96	100
<i>Stenotrophomonas maltophilia</i>	23!	-	-	-	-	39	-	-	96	-	-	-	-	-	100
<i>Haemophilus influenzae</i>	45	71	-	-	-	-	-	-	-	-	-	-	-	-	-

-: 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%

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

INPATIENT + OUTPATIENT DATA

% susceptible

Organism	NUMBER OF ISOLATES	Ampicillin	Ceftriaxone	Ciprofloxacin	Levofloxacin	Gentamicin	Nitrofurantoin – Urine only	Trimeth/Sulfa	Clindamycin	Erythromycin	Oxacillin	Penicillin Non meningitis Isolates	Penicillin Meningitis	Tetracycline	Vancomycin	Linezolid
<i>Enterococcus faecalis</i>	382	99	-	85	86	@	99 (280)	-	-	-	-	-	-	-	99	99
<i>Enterococcus faecium</i>	53	34	-	19	30	@	60 (35)	-	-	-	-	-	-	-	60	100
<i>Staphylococcus aureus</i> MSSA	671	-	-	-	-	-	100 (63)	99 (668)	96 (608)	70 (608)	100	-	-	93#	100	100
<i>Staphylococcus aureus</i> MRSA	321	-	-	-	-	-	100 (26)!	98	84 (295)	17 (295)	0	-	-	94#	100	100
<i>Staphylococcus epidermidis</i>	233	-	-	-	-	-	100 (136)	66	59 (97)	26 (97)	45	-	-	84#	100	100
<i>Streptococcus pneumoniae</i>	59	-	95*	-	100	-	-	78	88 (58)^	53 (58)	-	98	71 (58)	85#	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 96% for *E. faecium*, 84% 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%