

Organism Name (% susceptible)	Maximum # of isolates tested	Ceftriaxone	Gliandamycin	Erythromycin	Levofloxacin	Oxacillin <sup>a,b</sup>	Penicillin	Tetracycline	Trimeth/sulfa	Vancomycin
Coagulase-negative <i>Staphylococcus</i>	193		56	5	33	6		83	38	100
<i>Staphylococcus aureus</i>	319		81	64	80	81		91	95	100
MSSA	261		84	74	93	100		93	98	100
MRSA	61		64	21	21	0		85	85	100
<i>Staphylococcus lugdunensis</i> <sup>c</sup>	24		89	10	95	91		95	95	100
<i>Streptococcus milleri</i> group	43	97	89	84	100		97			100
Viridans group streptococci	162	92	85	30	21		50			100
<i>Streptococcus mitis</i>	132	90	82	26	18		49			100

Blank cells = insufficient data or drug was not tested.

MSSA, methicillin-susceptible *S. aureus*; MRSA, methicillin-resistant *S. aureus*.

<sup>a</sup> Cefazolin and oxacillin (or nafcillin) are preferred over other agents for treatment of MSSA bacteremia.

<sup>b</sup> Molecular testing for *mecA* is required for coagulase-negative *Staphylococcus* isolates to be reported as methicillin-susceptible.

<sup>c</sup> For organisms with less than 30 isolates, caution is advised when interpreting susceptibility data due to small numbers.

Organism Name (% susceptible)	Maximum # of isolates tested	Ampicillin	Daptomycin <sup>a</sup>	Levofloxacin <sup>b</sup>	Linezolid <sup>a</sup>	Nitrofurantoin <sup>b</sup>	Penicillin	Tetracycline	Vancomycin
<i>Enterococcus faecalis</i>	261	98		83		98	98	28	99
<i>Enterococcus faecium</i>	67	33	95	31	100	48	32	50	63

Blank cells = insufficient data or drug was not tested.

<sup>a</sup> Daptomycin and linezolid are tested against VRE only.

<sup>b</sup> Indicated in urinary tract infections only.



# Fred Hutch Cancer Center

## 2022 & 2023 Antibiogram

### Fred Hutchinson Cancer Center Antimicrobial Stewardship Program

Data courtesy of Department of Laboratory Medicine, UWMC  
Microbiology Lab

The Fred Hutch Cancer Center Antibiogram includes the first isolate per patient per year from adult patients ≥18 years old as per CLSI guidelines. Culture results from the following locations are included: outpatient Fred Hutchinson Cancer Center-SLU, Fred Hutch Hospital, UWMC-Montlake inpatient oncology units, UWMC-Montlake ED and other hospital locations for patients actively managed or treated at Fred Hutch within 2 years prior to culture date. The antibiogram will be updated every 2 years to ensure a sufficient number of isolates to interpret susceptibility data.

Organism Name (% susceptible)	Maximum # of isolates tested	Amikacin <sup>c</sup>	Ampicillin	Ampicillin-sublactam	Aztreonam	Cefazolin	Cefepime <sup>a</sup>	Ceftazidime	Ceftriaxone	Ciprofloxacin	Ertapenem	Gentamicin	Levofloxacin	Meropenem	Nitrofurantoin <sup>b</sup>	Pip/tazo	Tobramycin <sup>c</sup>	Trimeth/sulfa
<i>Citrobacter freundii</i> complex	51		0		62	1	96	62	56	94	98	98	96	100	96	88	100	80
<i>Citrobacter</i> species <sup>e</sup>	25		0		88	64	96	96	88	96	96	100	96	100		96		100
<i>Enterobacter cloacae</i> <sup>d</sup>	107	100	0	0	75	0	95	74	71	91	85	99	95	100	71	76	0	90
<i>Escherichia coli</i>	587	96	59	71	90	82	93	91	86	72	99	91	73	99	97	97	56	76
<i>Klebsiella</i> (formerly <i>Enterobacter</i> ) <i>aerogenes</i> <sup>d,e</sup>	14		0	0	71	0	92	71	71	100	85	100	100	92	100	71		100
<i>Klebsiella oxytoca</i>	76	100	0	64	84	61	94	94	84	92	100	94	94	100	94	90	0	85
<i>Klebsiella pneumoniae</i>	202	83	0	78	87	83	90	88	87	83	99	93	91	99	79	97	30	83
<i>Proteus mirabilis</i>	65	100	85	96	100	82	100	100	96	89	100	93	89	100	0	100	25	86
<i>Pseudomonas aeruginosa</i>	186	99					96	95		84		97	85	91		90	98	
<i>Serratia marcescens</i>	40		0	5	100	0	100	100	100	97	97	100	100	100	0	100		100
<i>Stenotrophomonas maltophilia</i>	48							44					64					97

Blank cells = insufficient data or drug was not tested.

<sup>a</sup> Cefepime breakpoint interpretation criteria for Enterobacterales changed from CLSI to EUCAST in 3/2023.

<sup>b</sup> Indicated in urinary tract infections only.

<sup>c</sup> Tobramycin is reported when Enterobacterales are resistant to gentamicin. Amikacin is reported when Enterobacterales are resistant to both gentamicin and tobramycin.

<sup>d</sup> *Citrobacter freundii*, *Enterobacter cloacae*, and *Klebsiella aerogenes* have an inducible beta-lactamase. Resistance to penicillins and 3<sup>rd</sup> generation cephalosporins may arise on therapy.

<sup>e</sup> For organisms with less than 30 isolates, caution is advised when interpreting susceptibility data due to small numbers.