



**Children's Mercy Hospitals & Clinics - 2025 Antibigram
Department of Pathology & Laboratory Medicine- Microbiology Laboratory**

Gram Negative Antibigram (% susceptible)

Organism	# of isolates tested	Ampicillin	Cefazolin	Cefepime	Ceftazidime	Ceftriaxone	Ciprofloxacin	Gentamicin	Meropenem	Pip/tazo	Trimeth/Sulfa
<i>Acinetobacter baumannii</i> complex (includes ALL sources)	22 ²	-	-	-	86	0	86	100	100	-	96
<i>Citrobacter freundii</i> (includes ALL sources)	30	IR	IR	-	-	-	90	100	100 ²	-	88 ²
<i>Klebsiella aerogenes</i> (includes ALL sources)	28 ²	IR	IR	100	-	-	93	100	100	-	100
<i>Serratia marcescens</i> (includes ALL sources)	67	IR	IR	100	98	94	92	100	100	-	100
<i>Enterobacter cloacae</i> (Non-urine sources ONLY)	47	IR	IR	96	-	-	98	100	100	-	98
<i>Pseudomonas aeruginosa</i> (Non-Urine sources ONLY)	261	-	-	97	94	-	91	-	100	94	-
* <i>Escherichia coli</i> (Non-Urine sources ONLY)	91	39	55	89	86	87	79	90	100	-	66
<i>Klebsiella oxytoca</i> (Non-Urine sources ONLY)	34	IR	21	100	100	100	100	97	100 ²	-	100
* <i>Klebsiella pneumoniae</i> (Non-Urine sources ONLY)	42	IR	83 ^a	93	90	90	90	98	100	-	93
* <i>Proteus mirabilis</i> (Non-Urine sources ONLY)	11 ²	73	22	100	100	100	100	91	100	-	78

ESBL positive isolates: *E. coli* (12), *K. pneumoniae* (3), *K. oxytoca* (0)

¹ Antibiotics tested on Non-Urine isolates only: *A. baumannii* complex (16), *C. freundii* (5), *K. aerogenes* (10), *S. marcescens* (51).

² Please exercise discretion when data are reviewed for species with fewer than 30 isolates.

Acinetobacter baumannii complex: Ceftazidime (22), Ceftriaxone (5), Ciprofloxacin (22), Gentamicin (5), Meropenem (20), Trimeth/Sulfa (24)
Citrobacter freundii: Meropenem (10), Trimeth/Sulfa(29)
Klebsiella aerogenes: Cefepime (25), Ciprofloxacin (28), Gentamicin (28), Meropenem (7), Trimeth/Sulfa (28)
Pseudomonas aeruginosa: Meropenem (24)
Klebsiella oxytoca: Meropenem (28)
Proteus mirabilis: Ceftazidime (11), Ceftriaxone (11), Ciprofloxacin (11), Gentamicin (11), Meropenem (11), Trimeth/Sulfa (10)

^a Cefazolin susceptibility based off Kirby Bauer results. (Only on Systemic)

IR = Intrinsic Resistance, (-) = No data available

**E. coli*, *K. pneumoniae* and *P. mirabilis* breakpoints differ for urine culture vs. cultures from all other sources. Please contact the Microbiology laboratory for more information.



Gram Negative - URINE ONLY- Antibigram (% susceptible)

[illegible]



Children's Mercy KANSAS CITY

Children's Mercy Hospitals & Clinics - 2025 Antibigram Department of Pathology & Laboratory Medicine- Microbiology Laboratory

Gram Positive Antibigram (% Susceptible)

Organism	# of isolates tested	Ampicillin	Cefotaxime	Clindamycin	Erythromycin	Linezolid	Meropenem	Nitrofurantoin ⁴	Oxacillin	Penicillin	Penicillin (Oral)	Rifampin ^a	Tetracycline	Trim/Sulfa	Vancomycin
<i>Enterococcus faecalis</i>	162	100	-	-	-	-	-	98	-	100	-	-	-	-	100 ²
<i>All Staphylococcus aureus</i>	1401	-	-	78	55	100	-	100	74	0	-	100	92	93	100
MSSA	1044	-	-	75	66	100	-	100	100	0	-	100	94	96	100 ²
MRSA	374	-	-	84	26	100	-	100 ²	0	0	-	100	87	87	100
<i>Staphylococcus epidermidis</i>	166	-	-	47	33	100	-	100	41	0	-	99	93	67	100
<i>S. pneumoniae</i> *	94	-	-	89	67	-	76 ²	-	-	-	72 [§]	-	-	-	100 ²
Meningitis breakpoint		-	90 [†]	-	-	-	-	-	-	72 [†]	-	-	-	-	-
Non-meningitis breakpoint		-	99 [†]	-	-	-	-	-	-	99 [†]	-	-	-	-	-

**S. pneumoniae* % susceptible was calculated using all isolates based on meningitis, nonmeningitis and oral breakpoints.

of *S. pneumoniae* isolates tested: Penicillin=94, Cefotaxime=94, Erythromycin=76, Clindamycin=84, Meropenem=17, Vancomycin=18

[†]Susceptible breakpoint for *S. pneumoniae* in patients with meningitis is ≤ 0.5 µg/mL for cefotaxime and ≤ 0.06 µg/mL for penicillin

[‡]Susceptible breakpoint for *S. pneumoniae* in patients with non-meningitis infections is ≤ 1µg/mL for cefotaxime and ≤ 2 µg/mL for penicillin

[§]Susceptible breakpoint for *S. pneumoniae* is ≤ 0.06 µg/mL for penicillin when penicillin V is administered by the oral route

² Please exercise discretion when data are reviewed for species with fewer than 30 isolates.

The number of isolates tested for Vancomycin susceptibilities are <30 for all organisms

⁴ Antibiotics tested on UTI isolates only: *E. faecalis* (132), *S. aureus* (49), *S. epidermidis* (64)

(-) =No data available