

## Urine Isolate Antibiogram 2018

### Unique Bacterial Isolates: % Susceptible

Organism	# of isolates	ROCHESTER REGIONAL HEALTH Laboratories																						
		Ampicillin	Amoxicillin / clavulanate	Ampicillin / Sulbactam	Piperacillin / Tazobactam	Cefazolin	Ceftazidime	Ceftriaxone	Cefepime	Imipenem	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Nitrofurantoin <sup>^</sup>	Trimethoprim / Sulfamethoxazole	Erythromycin	Clindamycin	Linezolid	Daptomycin	Oxacillin <sup>%</sup>	Vancomycin	Doxycycline	Tetracycline
<b>GRAM-NEGATIVE ORGANISMS</b>																								
<i>Citrobacter freundii</i>	246				84		82	82	100	100	96	98	97	96	98	86								
<i>Citrobacter koseri</i>	249		98	X	100	98	100	100	100	100	100	100	100	100	94	99								
<i>Enterobacter aerogenes</i>	258				92		92	94	99	100	100	100	99	99	14	99								
<i>Enterobacter cloacae</i>	258				79		78	79	95	100	98	98	97	97	43	93								
<i>Enterobacter cloacae complex</i> <sup>#</sup>	109				80		78	77	95	100	98	96	94	94	39	88								
<i>Escherichia coli</i>	14936	63	85	67	98	91	96	97	97	100	94	95	89	89	97	84								
<i>Klebsiella oxytoca</i>	232		92	67	94	59	99	98	99	100	98	99	99	99	88	95								
<i>Klebsiella pneumoniae</i>	1971		97	90	97	96	98	98	98	100	98	98	98	98	37	94								
<i>Morganella morganii</i>	110				100		89	96	100	94	97	96	95	94		81								
<i>Proteus mirabilis</i>	1056	87	95	94	100	94	99	99	99	94	96	96	89	90		90								
<i>Pseudomonas aeruginosa</i>	364				98		95		94	94	96	99	87	82										
<i>Serratia marcescens</i>	93				X		95	92	96		99	90	97	96		99								
<b>GRAM-POSITIVE ORGANISMS</b>																								
<i>Staphylococcus aureus</i>	238 <sup>§</sup>										100		61	63	99	99	52	69	100	100	68	100	99	93
- methicillin sensitive (MSSA)	172										99		82	84		98	72	83			100	100		92
- methicillin resistant (MRSA)	76										100		16	17		95	20	57			0	100		96
<i>Enterococcus faecalis</i>	1640	99											88	88	99				94	100		97	27	28
<i>Enterococcus faecium</i>	69	30											18	18	29				90			57	35	20

**Interpretive Notes:**

1. Data includes isolates from Urine Cultures performed on Ambulatory Patients by Rochester Regional Health Laboratories (Elmgrove Campus) in 2018.
2. Differences in the % susceptibility for an organism represented by <30 isolates may not be statistically significant from year to year.
3. Shaded squares are antibiotic/organism combinations that may not be recommended due to intrinsic resistance, were not tested OR <30 isolates were tested.
4. <sup>#</sup> *Enterobacter cloacae complex* = *E. cloacae*/*E. asburiae* (not otherwise differentiated).
5. <sup>^</sup> Nitrofurantoin reported for urine isolates only.
6. *X* = A limitation in the testing system prevents reporting of *C. koseri* and Ampicillin/Sulbactam and *S. marcescens* and Piperacillin/Tazobactam.
7. <sup>%</sup> For Staphylococci, Oxacillin susceptibility predicts for  $\beta$ -lactam combination agents, oral and parenteral cepheems (including cefazolin) and carbapenems (CLSI, M100-S28).
8. <sup>§</sup> The total number of *S. aureus* isolates is less than the combined MSSA/MRSA isolate numbers since only 1 *S. aureus* isolate per patient per year is included in the data.

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