| Organism (%) susceptible | Maximum # of isolates tested | Azlocillin | Ampicillin | Ampicillin/amp | Aztreonam | Cefazolin | Cefotetan | Cefepime | Ceftriaxone | Ceftazidime | Cefuroxime | Ertapenem | Gentamicin | Imipenem | Meropenem | Ciprofloxacin | Moxifloxacin | Pip/tazo | Tobramycin | Trimeth/sulfa | Vancomycin | Vinclozolin |
|--------------------------|-----------------------------|------------|------------|---------------|------------|-----------|-----------|----------|------------|------------|------------|----------|----------|----------|---------|-----------|-------------|------------|----------|-----------|-------------|-----------|------------|
| Acinetobacter spp. ¹     | 87 H 33 U 77 H 60 U 44 H 0 | 62 U 72 47 U 60 79 | 49 41 69 | Citrobacter freundii complex ² | 36 H 44 U 0 0 75 68 86 84 0 0 0 100 100 | 86 H 81 86 82 94 86 69 74 100 95 92 82 97 H 86 100 100 72 60 93 86 92 89 | 86 64 | Enterobacter aerogenes ² | 56 H 56 H 0 0 40 38 62 73 0 0 0 100 100 71 50 79 70 77 68 95 95 70 94 96 93 98 100 | 95 95 95 100 100 93 81 72 77 82 75 | 93 98 | Enterobacter cloacae ² | 174 122 H 0 0 38 34 63 89 0 0 0 97 96 72 70 78 79 75 74 92 93 74 83 94 83 94 93 | 95 93 95 100 99 76 79 60 73 69 86 | 89 84 | Escherichia coli | 1234 1007 H 48 48 50 59 99 95 93 70 70 98 87 98 99 95 93 91 90 69 67 69 83 99 100 66 89 | 69 67 100 100 68 68 67 97 96 97 93 | 63 64 | Haemophilus influenzae ² | 94 78 H 94 100 H | 83 100 73 | Klebsiella oxytoca | 78 115 H 0 0 62 63 99 89 43 20 100 98 99 100 100 96 96 86 91 80 97 84 99 100 97 95 | 95 89 100 100 78 75 100 97 99 90 75 | Klebsiella pneumoniae | 381 372 H 0 0 80 82 95 95 83 83 97 97 97 99 94 96 92 94 81 75 77 70 98 98 94 91 | 95 80 98 100 77 69 62 79 96 96 | 79 79 | Morganella morganii ³ | 42 28 H 0 0 39 29 98 82 0 0 0 100 96 98 82 90 75 90 86 71 64 0 0 83 68 67 79 | 76 71 100 100 35 47 0 0 100 82 | 55 61 | Proteus mirabilis | 218 123 H 60 74 94 92 100 99 15 20 100 98 98 99 99 99 97 98 48 74 0 0 98 93 78 89 | 57 81 100 98 46 69 0 0 100 98 | 54 69 | Pseudomonas aeruginosa (non-CF) ⁴ | 320 308 98 99 H 0 0 0 90 90 95 90 66 70 | 92 94 79 68 66 68 63 89 | 76 83 42 48 93 94 | Pseudomonas aeruginosa (CF) ⁴ ⁵ | 697 55 H 69 97 58 51 | 68 76 0 0 40 47 53 37 67 17 | 65 44 74 51 | Serratia marcescens ² | 87 70 H 0 0 11 13 99 90 0 0 0 100 91 99 89 100 91 98 87 98 90 54 84 99 88 99 99 | 98 93 100 89 75 72 0 0 99 89 | 96 97 | Stenotrophomonas maltophilia (non-CF) | 57 53 H | 72 79 | 0 0 74 83 | 0 0 100 100 | 58 72 | 98 | Stenotrophomonas maltophilia (CF) ² | 67 20 H 0 0 20 20 34 | 0 0 16 0 36 5 95 | 14 45 9 76 |

Blank cells = insufficient data or drug was not tested; H = HMC; U = UWMC.

* Citrobacter freundii, Enterobacter spp., Hafnia alvei, Morganella spp., Providencia spp., P. aeruginosa and Serratia spp. have an inducible beta-lactamase. Resistance to penicillins and 3rd generation cephalosporins may arise on therapy.

† Indicated in urinary tract infections only.

‡ Chloramphenicol was tested at UWMC with 48% of CF. S. maltophilia isolates susceptible.

* Colistin was tested at UWMC with 95% of CF. P. aeruginosa isolates susceptible.

+ 17% (n=199) of H. influenzae at HMC were beta-lactamase positive; 20% (n=88) at UWMC were beta-lactamase positive. At UWMC 100% of isolates were susceptible to amoxicillin-clavulanate, 99% susceptible to cefuroxime, 100% susceptible to azithromycin, and 96% susceptible to chloramphenicol. An insufficient number of isolates were recovered at UWMC in 2011 to be statistically significant. Data collected in 2010 may be found on the Healthlinks website at http://hsf.wustl.edu/files/antibiograms/wu-som-2010-antibiogram

* Studies indicate that moxifloxacin has superior in vitro activity against S. maltophilia when compared to levofloxacin. No CLSI breakpoints are available, however EUCAST breakpoints for Enterobacteriaceae are <= 0.50 ug/mL susceptible and >= 2.0 ug/mL resistant. Using these breakpoints, 70% of isolates at HMC and 81% at UWMC were moxifloxacin susceptible.

Due to a change in testing methodology at both HMC and UWMC, data for this antibiogram were compiled from organisms isolated April 2011 through December 2011.