

| Antibiotic                                         | Gram-positive        |                     |                    | Gram-negative                                                                                                                        |                      |                                                   | Anaerobes                 |                | Atypicals                                                                 |
|----------------------------------------------------|----------------------|---------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------|---------------------------|----------------|---------------------------------------------------------------------------|
|                                                    | <i>Staphylococci</i> | <i>Streptococci</i> | <i>Enterococci</i> | Enterobacterales<br>( <i>E. coli</i> , <i>Klebsiella</i> , <i>Proteus</i> , etc.)<br><i>H. influenzae</i> ,<br><i>M. catarrhalis</i> | <i>P. aeruginosa</i> | <i>Acinetobacter</i> ,<br><i>Stenotrophomonas</i> | Oral or<br>upper GI tract | Lower GI tract | <i>M. pneumoniae</i> ,<br><i>L. pneumophila</i> ,<br><i>C. pneumoniae</i> |
| <b>Penicillins</b>                                 |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Penicillin G<br>Penicillin VK                      |                      |                     | <i>E. faecalis</i> |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Nafcillin, oxacillin                               | MSSA                 |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Ampicillin<br>Amoxicillin                          |                      |                     | <i>E. faecalis</i> |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| <b>β-lactam/β-lactamase Inhibitor Combinations</b> |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Ampicillin-sulbactam<br>Amoxicillin-clavulanate    | MSSA                 |                     | <i>E. faecalis</i> | <i>H. influenzae</i> and<br><i>M. catarrhalis</i><br>Enterobacterales                                                                |                      | Sulbactam for<br><i>Acinetobacter</i><br>only     |                           |                |                                                                           |
| Piperacillin-tazobactam                            | MSSA                 |                     | <i>E. faecalis</i> |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| <b>Cephalosporins</b>                              |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Cefazolin<br>Cephalexin, cefadroxil                | MSSA                 |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Ceftriaxone<br>Cefpodoxime, cefdinir               |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Cefepime                                           | MSSA                 |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Ceftaroline                                        |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| <b>Carbapenems</b>                                 |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Ertapenem                                          | MSSA                 |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Meropenem                                          | MSSA                 |                     | <i>E. faecalis</i> |                                                                                                                                      |                      | <i>Acinetobacter</i><br>only                      |                           |                |                                                                           |
| <b>Monobactam</b>                                  |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |
| Aztreonam                                          |                      |                     |                    |                                                                                                                                      |                      |                                                   |                           |                |                                                                           |

Abbreviations: GI, gastrointestinal; MSSA, methicillin-susceptible *Staphylococcus aureus*; MRSA, methicillin-resistant *Staphylococcus aureus*

Please note this chart reflects *in vitro*, expected activity and is NOT intended to replace the antibiogram or susceptibility data

| Key |                                         |
|-----|-----------------------------------------|
|     | Likely to be active                     |
|     | Use only after susceptibility confirmed |
|     | Not likely to have activity             |

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|                                    | <i>Staphylococci</i> | <i>Streptococci</i> | <i>Enterococci</i> | Enterobacterales<br>( <i>E. coli</i> , <i>Klebsiella</i> , <i>Proteus</i> , etc.)<br><i>H. influenzae</i> ,<br><i>M. catarrhalis</i> | <i>P. aeruginosa</i>               | <i>Acinetobacter</i> ,<br><i>Stenotrophomonas</i> | Oral or<br>upper GI tract | Lower GI tract | <i>M. pneumoniae</i> ,<br><i>L. pneumophila</i> ,<br><i>C. pneumoniae</i> |
| Fluoroquinolones                   |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Ciprofloxacin                      |                      |                     |                    |                                                                                                                                      |                                    | <i>Acinetobacter</i><br>only                      |                           |                |                                                                           |
| Levofloxacin                       |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Aminoglycosides                    |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Gentamicin<br>Tobramycin, amikacin |                      |                     |                    |                                                                                                                                      | Tobramycin<br>and amikacin<br>only |                                                   |                           |                |                                                                           |
| Tetracyclines                      |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Doxycycline, minocycline           |                      |                     |                    |                                                                                                                                      |                                    | Minocycline<br>only                               |                           |                |                                                                           |
| Other                              |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Azithromycin, clarithromycin       |                      |                     |                    | <i>H. influenzae</i> and<br><i>M. catarrhalis</i> only                                                                               |                                    |                                                   |                           |                |                                                                           |
| Clindamycin                        |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Daptomycin                         |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Linezolid                          |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Metronidazole                      |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Trimethoprim-sulfamethoxazole      |                      | Not GBS             |                    |                                                                                                                                      |                                    | DOC for Steno<br>+/-<br><i>Acinetobacter</i>      |                           |                |                                                                           |
| Vancomycin                         |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Cystitis Only                      |                      |                     |                    |                                                                                                                                      |                                    |                                                   |                           |                |                                                                           |
| Fosfomycin                         |                      |                     | VRE                | <i>E. coli</i> only                                                                                                                  |                                    |                                                   |                           |                |                                                                           |
| Nitrofurantoin                     |                      |                     | VRE                | Enterobacterales only                                                                                                                |                                    |                                                   |                           |                |                                                                           |

Abbreviations: GI, gastrointestinal; GBS, group B *Streptococcus* (*S. agalactiae*); DOC, drug of choice; Steno, *Stenotrophomonas maltophilia*; VRE, vancomycin-resistant *Enterococcus*

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