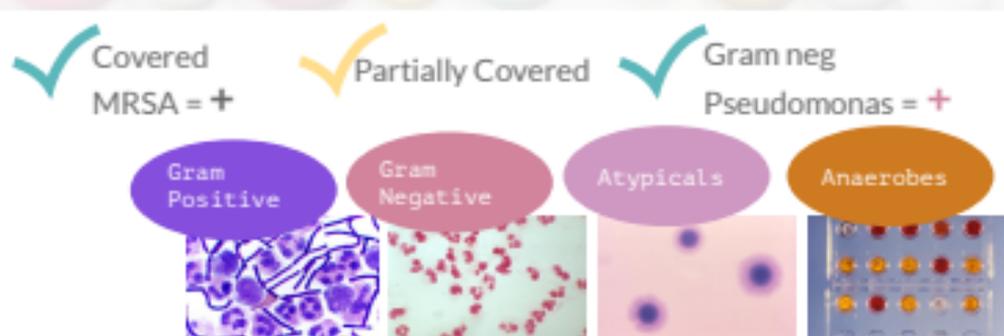


## Antibiotic Guide



Antibiotic Class	Gram Positive	Gram Negative	Atypicals	Anaerobes
<b>Penicillin</b> penicillin V  pen G  benzathine PCN	✓			✓ <sup>1</sup>
<b>Aminopenicillins</b> amoxicillin  ampicillin	✓	✓		✓ <sup>1</sup>
<b>Piperacillin/tazo</b> Ticarcillin/clav	✓	✓ <sup>+</sup>		✓
<b>1st gen. cephalosporin</b> cephalexin  cefazolin	✓	✓		✓ <sup>2</sup>
<b>2nd gen. cephalosporin</b> cefuroxime  cefaclor	✓	✓		✓ <sup>2</sup>
<b>3rd gen. cephalosporin</b> ceftriaxone  cefixime  cefdinir	✓	✓ <sup>3</sup>		
<b>4th gen. cephalosporin</b> cefepime	✓	✓ <sup>+</sup>		
<b>5th gen. cephalosporin</b> ceftaroline	✓ <sup>+</sup>	✓		
<b>Clindamycin</b>	✓ <sup>+</sup>			✓
<b>Tetracyclines</b> doxycycline	✓ <sup>+</sup>	✓	✓	
<b>Macrolides</b> azithromycin	✓	✓	✓	
<b>Metronidazole</b>				✓
<b>Aminoglycosides</b> gentamicin  tobramycin		✓ <sup>+</sup>		
<b>Monobactams</b> aztreonam		✓ <sup>+</sup>		
<b>Fluoroquinolones</b> cipro-  levo-  moxifloxacin	✓	✓ <sup>4</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>
<b>Carbapenems</b> imi-  mero-  ertapenem	✓	✓ <sup>6</sup>		✓
<b>Vancomycin   daptomycin</b>	✓ <sup>+</sup>			
<b>TMP-SMX</b>	✓ <sup>+</sup>	✓		
<b>Colistin</b>		✓ <sup>+</sup>		
<b>Linezolid</b>	✓ <sup>+</sup>			
<b>Fosfomycin</b>	✓	✓ <sup>+</sup>		

- 1 with clavulanate or sulbactam
- 2 only cefoxitin|cefotetan
- 3 ceftazidime covers pseudomonas
- 4 cipro-/levofloxacin cover pseudomonas
- 5 only levofloxacin|moxifloxacin
- 6 ertapenem no pseudomonas

## Mechanism of Action

