

Antibiotic susceptibilities

Antibiotic Summary

Antibiotic Class	Antibiotic	Gram	Mechanism of Action	Common Infections
Aminoglycosides	Streptomycin, Gentamicin	Gram (-)	Inhibit Protein Synthesis (30s)	Bacteremia, Abdominal Infections
Cephalosporins	Ceftriaxone, Cefepime	Gram (+/(-)	Inhibit Cell Wall Synthesis	Skin, Urinary, Resp. Infections
Tetracyclines	Tetracycline, Doxycycline	Gram (+/(-)	Inhibit Protein Synthesis (30s)	Lyme Disease, PID, STIs
Penicillins	Ampicillin, Amoxicillin	Gram (+/(-)	Inhibit Cell Wall Synthesis	ENT, Skin, Urinary Infections
Sulfonamides	Sulfasalazine, Sulfamethoxazole	Gram (+/(-)	Inhibit Folate Synthesis	UTIs, Burns, Eye Infections
Fluoroquinolones	Ciprofloxacin, Levofloxacin	Gram (+/(-)	Inhibit DNA Replication	Respiratory & Urinary Infections
Macrolides	Azithromycin, Erythromycin	Gram (+)	Inhibit Protein Synthesis (50s)	Pneumonia, Sinus, ENT, STIs
Carbapenems	Meropenem, Ertapenem	Gram (+/(-)	Inhibit Cell Wall Synthesis	Urinary, Abdom. Infections
Lincosamides	Clindamycin	Gram (+)	Inhibit Protein Synthesis (50s)	Skin, Bone, Lung Infections
Glycopeptides	Vancomycin	Gram (+)	Inhibit Cell Wall Synthesis	MRSA, Skin, Endocarditis

Gram Positive Bacteria

Gram Positive			
Aerobes		Anaerobes	
Cocci	Bacilli	Cocci	Bacilli
<i>Staphylococcus</i> spp.	<i>Corynebacterium</i> spp.	<i>Peptococcus</i> spp.	<i>Clostridium</i> spp.
<i>Streptococcus</i> spp.	<i>Bacillus</i> spp.	<i>Peptostreptococcus</i> spp.	
<i>Enterococcus</i> spp.	<i>Listeria</i> spp.		
	<i>Nocardia</i> spp.		
	<i>Lactobacillus</i> spp.		<i>Actinomyces</i> spp.
	<i>Erysipelothrix</i> spp.		

Gram Negative Bacteria

Gram Negative			
Aerobes		Anaerobes	
Cocci	Bacilli	Cocci	Bacilli
<i>Neisseria</i> spp.	Enterobacteriaceae	<i>Veillonella</i> spp.	<i>Bacteroides</i> spp.
	<i>Pseudomonas</i> spp.		<i>Fusobacterium</i> spp.
	<i>Brucella</i> spp.		<i>Prevotella</i> spp.
	<i>Bordetella</i> spp.		
	<i>Francisella</i> spp.		
	<i>Legionella</i> spp.		
	<i>Chlamydia</i> spp.		
	<i>Bartonella</i> spp.		
Coccobacilli			
	<i>Moraxella</i> spp.		
	<i>Haemophilus</i> spp.		

Common bacterial infections

