

Antibiotics

Name	Brand Names	Class	Introduced	Bacteriostatic	Bactericidal	Anaerobes	Gram (+/-)	Metabolised	Intracellular Penetration	Excretion
Acyclovir	Zovirax	Anti-viral								urine
Amoxicillin	Amoxil	Penicillin			yes	some	-	minor	good	urine
Amoxicillin + Clavulnate	Augmentin	Penicillin			yes	some	+,-	minor	good	urine 50-70%
Ampicillin		Penicillin	1959		yes			minor		urine
Atovaquone	Malarone, Mepron	hydroxynaphthoquinone								feces
Azithromycin	Zithromax	Macrolide	1991	yes		G-	+, - (minor)		Very good	feces
Cefdinir	Omnicef	Cephalosporin 3	1998		yes		+,-		good	urine
Cefotaxime	Clafaran	Cephalosporin 3			yes		+,-		good	urine
Cefixime	Suprax	Cephalosporin 3	1989		yes	no	-		good	urine
Ceftriaxone	Rocephin	Cephalosporin 3			yes		-,+		good	liver 40%, urine 60%
Cefuroxime	Ceftin	Cephalosporin 2			yes		+,-		good	urine
Cholestyramine	Questran	Binding resin								feces
Ciprofloxacin	Cipro	Fluoroquinolone 2			yes	no	+,-	liver		urine
Clarithromycin	Biaxin	Macrolide		yes	yes for G+	G-	+,-		good	
Clindamycin	Cleocin	Macrolide				yes	+			
Dirithromycin	Dynabac	Macrolide		yes	yes	G-				
Doxycycline	Doxycycline	Tetracycline	yes				+,- & Rickettsia			feces
Doxycycline (time release)	Doryx	Tetracycline	yes							feces
Enoxacin	Penetrex									
Erythromycin		Macrolide	yes			G- fair	+,-			
Fluconazole	Diflucan	anti-fungal								
Ganciclovir	Cytovene	Anti-viral								
Gatifloxacin	Tequin	Fluoroquinolone			yes	no TBD organ	+,-	minor amount in liver		urine
Gentamicin		Aminoglycoside			yes		-,+			
Hydroxychloroquine	Plaquenil	Quinine						liver		urine
Ketoconazole	Nizoral	imidazole	1981					liver	good	urine, feces
Imipenem		Beta-lactam				yes	+,-			
Levofloxacin	Levaquin	Fluoroquinolone			yes	no	+	liver		urine
Lomefloxacin					yes					
Meropenem	Merrem									
Metronidazole	Flagyl	Nitroimidazole				yes			good	urine
Minocycline	Minocycline	Tetracycline	yes							
Moxifloxacin	Avelox	Fluoroquinolone			yes	no		liver		urine
Norfloxacin										
	Nystatin	anti-fungal								
Ofloxacin										
Penicillin G Benzathine	Bicillin	Penicillin			yes			minor	good	urine
Piperacillin	Piperacil	Penicillin			yes			minor	good	urine
Praziquantel	Biltricide	anthelmintic						liver		urine
Rifadin	Rifampin				yes		+, some -	liver	good	bile, urine
Rifapentine					yes		+,-	liver	good	bile, urine
Rimantadine										
Sparfloxacin	Zagam				yes		+			
Tetracycline	Tetracycline	Tetracycline	yes				-			
Streptomycin		Aminoglycoside					+,-			
Tinidazole		Nitroimidazole				some effect		liver		urine
Trimethoprim-sulfamethoxazole	TMP-SMX									
Trovofloxacin										
Vancomycin		Glycopeptide			yes		+			

CNS	Half-Life	Approved for	TBD applications	Adverse Effects	Administration	Cost	Notes
Penetration							
	2.5 hours		viral co-infection		O	\$	
variable			Bb		O, IM, IV	\$	inflammation assists
poor			Bb		O	\$\$\$	inflammation assists
			Bb		O, IM, IV	\$	inflammation assists
	2-3 days		Babesia	many abx interactions	O	\$	
Brain good; CFS poor	2-4 days	Bb,(mycoplasma)	Bb, mycoplasma		O, IV	\$\$\$	
poor	1.7 hours		Bb		O	\$\$\$	
poor	1 hour		Bb, esp neurological		IM, IV	\$\$\$	
poor	3-4 hours		Bb		O	\$\$\$	Discontinued 2002
CSF fair	7 hours		Bb, esp neurological		IM, IV	\$\$\$	
	1 hour	Bb	Bb		O, IM, IV	\$\$\$	
			neurotoxin elimination		O	\$	
	4 hours		Bartonella		O, IV	\$\$\$	can have severe tendon problems
fair	3-7 hours		Bb		O	\$\$\$	
			Bb		O		
fair			Bb				
fair	16-20 hours	Bb, Rickettsia	Bb, Ehrlichia	Photosensitivity	O, IV	\$	
fair		Bb, Rickettsia	Bb, Ehrlichia	Photosensitivity	O	\$\$\$	
fair		Bb	Bb		O, IV (rare)	\$	
			fungal infection		O	\$\$\$	
			viral co-infection		O	\$\$\$	
	7-14 hours		Bartonella		O, IV	\$\$\$	see ciprofloxacin above
					O, IV	\$	ear, kidney damage possible
	30-50 days		Bb adjunct	Ophthalmological	O	\$\$	RA, Lupus
poor	3-10 hours	fungal infections	antifungal	liver toxicity	O	\$\$	
					IV		
			Bartonella		O, IV	\$\$\$	see ciprofloxacin above
			Bartonella				
excellent			Bb, Babesia		O	\$	
fair	16-20 hours	Bb, Rickettsia	Bb	Photosensitivity	O, IV	\$	
			Bb, Bartonella			\$\$\$	see ciprofloxacin above
			fungal infection			\$	
			Bartonella				
variable	14 days	Bb	Bb		IM		inflammation assists
variable			Bb				inflammation assists
good	1-4 hours				O		
good			Bb, perhaps others		O,IV		
good			Bb, perhaps others	Hepatitis	O, IV		
			Bb, perhaps others				
			Bartonella				
fair	8 hours	Bb, Rickettsia	Bb, Ehrlichia	Photosensitivity	O, IV	\$	
	12-14 hours		Bb, perhaps others		O	\$	
			Bartonella				