

GRAM POSITIVE						GRAM NEGATIVE										
Cocci				Anaerobes		Cocci/Coccobacilli			Bacilli							
MRSA	S. epidermidis (coagulase -ve Staphylococcus)	MSSA	Enterococcus		Streptococcus	Clostridium ¹ , Peptostreptococcus	Bacteroides, Fusobacterium	Neisseria meningitidis	Haemophilus influenzae	Moraxella	E.coli	Klebsiella	Proteus mirabilis	Pseudomonas	ESCHAPPM ² organisms	Legionella
			Faecium	Faecalis												
					Penicillin			Penicillin								
					Amoxicillin ³				Amoxicillin							
		Amoxicillin-clavulanate														
	Flucloxacillin				Flucloxacillin											Azithromycin, Erythromycin
Clindamycin	Clindamycin				Clindamycin ³											
Rifampicin/Fusidic Acid				Fusidic Acid		Metronidazole ⁴		Rifampicin/Fusidic Acid	Rifampicin							
Vancomycin/Teicoplanin ⁵ , Linezolid, Daptomycin						Vancomycin/Teicoplanin										
Co-trimoxazole					Co-trimoxazole										Co-trimoxazole	
				Trimethoprim							Trimethoprim					Trimethoprim
Gentamicin ⁶	Gentamicin ⁶			Gentamicin/Tobramycin							Gentamicin/Tobramycin					
								Ciprofloxacin, Aztreonam						Ciprofloxacin		
	Moxifloxacin				Moxifloxacin ³										Moxifloxacin	
	Cephazolin			Cephazolin			Cephazolin			Cephazolin						
	Cefuroxime, Ceftriaxone			Cefuroxime, Ceftriaxone				Cefuroxime ⁷ , Ceftriaxone								
	Cefepime							Ceftazidime ⁸								
	Cefepime							Cefepime								
	Ticarcillin-clavulanate															
	Piperacillin-tazobactam				Piperacillin-tazobactam											
	Meropenem, Imipenem			Imipenem			Meropenem, Imipenem									
	Ertapenem						Ertapenem						Ertapenem			
Tigecycline								Tigecycline					Tigecycline			

For simplicity, atypical organisms are not included above. Partial columns indicate incomplete coverage. ESBL-producing organisms are not susceptible to most antibiotics containing a beta-lactam ring; carbapenems are the usual agent of choice.

1: *C. difficile* should only be treated with metronidazole or vancomycin. 2: ESCHAPPM are β-lactamase producing organisms. These are *Enterobacter*, *Serratia*, *Citrobacter freundii*, *Hafnia*, *Acinetobacter/Aeromonas*, *Proteus (not mirabilis)*, *Providencia* & *Morganella morganii*.

3: Not effective against *Clostridium*. 4: Metronidazole is not effective against *Peptostreptococcus*, 5: Teicoplanin is not effective against *Enterococcus faecium*, 6: Gentamicin is not appropriate mono therapy for *Staphylococcus aureus* & should only be used in conjunction with a β-lactam.

7: Due to increasing MIC, Cefuroxime is not recommended therapy for *Moraxella*. 8: Although it has other actions, Ceftazidime should only be used for *Pseudomonas*.

ANTIBIOTIC CLASS KEY

PENICILLINS	LINCOSAMIDE	MACROLIDES	NITROIMIDAZOLE	RIFAMYCIN	GLYCOPEPTIDES
SULFONAMIDES	AMINOGLYCOSIDES	FLUOROQUINOLONES	CEPHALOSPORINS	CARBAPENEMS	GLYCYLCYCLINE