
TABLE 1 Penicillins

Natural

Benzylpenicillin (penicillin G)

Phenoxymethyl penicillin (penicillin V)

Semisynthetic

Penicillinase resistant

Methicillin

Nafcillin

Cloxacillin

Dicloxacillin

Oxacillin

Extended spectrum

Aminopenicillins

Ampicillin

Amoxicillin

Bacampicillin

Pivampicillin

Carboxypenicillins

Carbenicillin

Ticarcillin

Ureidopenicillins

Azlocillin

Mezlocillin

Piperacillin

Penicillin + β -lactamase inhibitor combinations

Ampicillin-sulbactam

Ticarcillin-clavulanate

Amoxicillin-clavulanate

Piperacillin-tazobactam

TABLE 2 Cephalosporins

Narrow spectrum (first generation)

<i>Inject</i>	Cefadroxil	Cephadrile
	Cefazolin	Cephazolidine
	Cephalexin	Cefaclor
	Cephaloridine	
	Cephalothin	
	Cephapirin	
	Cephradine	

cefadroxil	S	Staph aureus, Streptococcus, Pasteurella
	R	Chlamydia, Entero, P. aeruginosa.

Expanded spectrum (second generation)

Cefaclor	
Cefamandole	cefotaxime
Cefonicid	
Ceforanide	
Cefuroxime	
Cefprozil	
Loracarbef	
Cefmetazole	
Cefotetan	
Cefoxitin	

S	Staph aureus, Klebsiella, anaerobes, Pasteurella
R	P. aeruginosa, Enterococcus

Broad spectrum (third generation)

Cefdinir	Ceftriaxone
Cefditoren	Cefprozil
Cefixime	Moxolactam
Cefoperazone	Ceftriaxone
Cefotaxime	Ceftriaxone
Cefpodoxime	Convenia (Pfizer) Cefovecin
Ceftazidime	Days + cats 1x inject every 12 days.
Ceftibuten	Not Pseudomonas or Enterobacteriaceae.
Ceftizoxime	
Ceftriaxone	

S	Staph aureus, E. coli, Klebsiella
R	Enterococcus, P. aeruginosa

Extended spectrum (fourth generation)

Cefepime	Ceftiofur	Cefquinome = horses = Cobactan.
Cefpirome	Ceftulodin	Cefpiramide.

TABLE 3 Quinolones

Narrow spectrum (first generation)

Cinoxacin
Nalidixic acid
Oxolinic acid

Broad spectrum (second generation)

Ciprofloxacin	<i>Entofloxacin</i>
Enoxacin	<i>Marbofloxacin</i>
Fleroxacin ^a	<i>Orbifloxacin</i>
Levofloxacin	<i>Difloxacin</i>
Lomefloxacin	<i>Maxifloxacin</i>
Norfloxacin	
Ofloxacin	
Pefloxacin ^a	
Rufloxacin ^a	

Expanded spectrum (third generation)

Sparfloxacin
Tosufloxacin^a

Extended spectrum (fourth generation)

Gatifloxacin
Garenoxacin^a
Gemifloxacin
Moxifloxacin
Sitafloxacin^a
Trovafloxacin
