Summarized from Koi Health and Disease, by Erik L. Johnson, DVM

This material was excerted by Spike Cover and if it's messed up, it's his fault <grin>

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Total								CAUTION
Fish Length ¹¹				Injectible i	medication (dose (cc @ given stre	ength)	
	∆mikacin ¹	Sterile Saline ²	∆zactam ³	Raytril ⁴	Cefotan ⁵	Chloramphenicol ⁶	Devamethasone ⁷	Gentamicin ¹

Trade Name generic name	-	Amikacin ¹	Sterile Saline ² added to Amikacin	Azactam ³ azteronam	Baytril ⁴ enrofloxacin	Cefotan ⁵ cefotetan	Chloramphenicol ⁶	Dexamethasone ⁷	Gentamicin ¹ See note 12	Nexcel ⁸ ceftiofur	Nuflor ⁹ florenicol	Rocephin ¹⁰ ceftriaxone
Strength		40-50 mg/ml		100 mg/ml	2.27%	100 mg/ml	100 mg/ml	2mg/ml	40-50 mg/ml	50 mg/ml	300 mg/ml	50mg/ml
Injection Route(s)		IP or IM	for IP injections	ΙP	IP	IP	IP (not IM)	IP	IM or IP ¹²	IP or IM	IM and IP	IP or IM
Dosing: See notes		1	2	3	4	5	6	7	1	8	9	10
	6"	0.1	0.4	0.1	0.1	0.3	0.3	0.1	0.1	0.3	0.3	0.5
	10"	0.3	0.7	0.2	0.3	0.8	0.8		0.3	0.8	8.0	1.0
	14"	0.5	1.5	0.4	0.6	1.0	1.0		0.5	1.0	1.0	1.5
	18"	0.7	1.3	0.6	0.9	1.5	1.5		0.7	1.5	1.5	2.0
	22"	1.0	2.0	0.8	1.0	2.0	2.0		1.0	2.0	2.0	2.5
_	24"							2.0				
	26"	1.5	2.5	1.0	1.25	2.8	2.8		1.5	2.75	2.8	3.0
_	30"	2.0	4.0	1.5	1.75	3.5	3.5		2.0	3.5	3.5	3.5
	34"	3.0	5.0	1.5	2.0	4.0	4.0		3.0	4.0	4.0	4.0

Weight based dosing	5 mg/kg	14 mg/kg	25 mg/kg	3 mg/kg
Route	IP	IP	IP	IP ¹³

Notes:

- Amikacin Inject every other day (EOD) for no more than 3 injections, specifically avoiding the use of Gentamicin; if fish show any signs of spasticity, stop injections immediately and avoid stressing the fish. Also see note 12.
- 2 Sterile saline added to Amikacin when given IP to aid the dispersion of the drug thru the peritoneal space
- Azactam inject daily for 3 days, then EOD for 3 more injections. Reconstitute with sterile saline (0.9% salt). Keeps for 7 to 14 days under refrigeration after reconstituting. Very effective against Pseudomonas.
- 4 Baytril given IP with 25 ga needle. Inject daily for 3 injections, then EOD for 2 more injections. Effective against Pseudomonas.
- 5 Cefotan Inject daily for 3 injections, then EOD for 3 more injections. Reconstituted med good for 4 days if kept refrigerated, only 1 day if at room temp.
 - Chloramphenicol Inject daily for 3 injections, then EOD for 3 more injections. CAUTION Chloramphenicol can cause Grays Syndrome in humans.
 - Reconstituted drug starts to lose potency after 7 to 14 days if not refrigerated. ELJ implies that reconstituted Chloramphenicol can be kept by freezing.
- Dexamethasone given to fish in sever shock. Not an antibiotic. See p. 68 of Koi Health and Disease for indications for use.
- 8 Nexcel very forgiving in both in both dose and interval. IP preferred route. Inject daily or EOD for 3 to 5 injections. Store reconstituted drug up to one month under refrigeration.
- 9 Nuflor ELJ initially used IM injections but now says IP works well. Some large kohaku have turned bright red post IM injection and the speculation is that it was the result of sun sensitivity due to the antibiotic. Best given with 20 ga needle (medication is very viscous).
- 10 Rocephin same dosing regimen as Chloramphenicol see Note 6 above.
- 11 Fish length includes the tail, i.e., it is the total length of the fish (this does not apply to long-finned koi or butterfly koi)
- 12 Gentamicin has been found to be frequently VERY toxic especially when given IP. Information on ELJ's web page says (as of 1-1-05),
 - " Never use Gentamicin. It's toxic in a dose or two."
- 13 This dosing of Gentamicin is far less than the dosing recommended by ELJ based on length. Professional and amateur fish fixers report better results from IM and/or lower dosing

Taken from Advanced Koi Care, by Nick Saint-Erne - page 163

Injectible Meds

Names

Generic	Trade	Recommended dosing		Route(s)	
Amikacin		5mg/kg every 72 hours (q72h)		IM, IP	
Azteronam	Azactam	100mg/kg every 2 to 5 days		IM, IP	
Ceftazdime	Fortaz	20mg/kg	q72hr	IM	
Chloramphenico	ol	25-50mg/kg q3-7days		IM, IP	
Dexamethason	е	1-2 mg/kg	q12h	IM, IP	
Enrofloxicin	Baytril	10-14mg/kg q48h		IM, IP or PC), q24hr
Florphenacol	Nuflor	25-50mg/kg q24-72hr		IM, IP, PO	
Gentamicin		3mg/kg	once only	IM	

Abbreviation	Meaning
EOD	every other day
h	hour(s)
IM	Intramuscular
IP	Intraperitoneal (actually intracoelomic in fish)
kg	kilograms
mg	miligrams
PO	Per Os (by mouth)
q	every