

Chicken Formulary

Type	Drug Name	Dosage
Pre-Medication/	Atropine	0.02-0.04 mg/kg, IM, SC
Induction	Ketamine + Diazepam	5-30 mg/kg (K), IM + 0.5-2 mg/kg (D), IM, IV
	Ketamine + Midazolam	10-40 mg/kg (K) + 0.2-2 mg/kg (M), SC, IM
	Midazolam	0.2-0.5 mg/kg, IM, SC
	Isoflurane	3-5 %
Maintenance	Isoflurane	1.5-2.5%
Analgesic	Butorphanol	1-4 mg/kg, IM, SC; not to exceed q4h
	Carprofen	1 mg/kg, SC
		5-10 mg/kg, IM, IV, PO
	Meloxicam	0.5 mg/kg, SC, PO q12h
	Tramadol	5 mg/kg, PO q12h
Antibiotics	Amoxicillin 150mg/ml	1 ml/10 kg, QOD
	Cefazolin	20mg/kg, IV/IM, TID
	Ceftiofur	2.2 mg/kg, IM, SID
	Chloramphenicol Succinate	33.3 mg/kg, IM, TID Adults
	Clindamycin	12.5mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Gentamicin 100 mg/ml	4.4 mg/kg, IM, SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
	Streptomycin	2.5-5 mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25 mg/kg, IM, SID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20 mg/kg, IV/IM, BID
Sedation*	Diazepam	2 mg/kg IM
	Ketamine	10-20 mg/kg IM, SC
	Midazolam	0.2 mg/kg IM, SC

* Sedation only, for restraint and minor activities

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

Dog Formulary

Type	Drug Name	Dosage
Pre-Medication/	Atropine	0.02-0.04 mg/kg, IM, SC
	Glycopyrrolate	0.02 mg/kg, IM, SC
Induction	Acepromazine	0.01-0.05 mg/kg, IV 0.05-0.1 mg/kg, IM, SC
	Xylazine	0.5-2.0 mg/kg, IM
	Propofol	0.3-0.5 mg/kg/min, IV
	Ketamine + Diazepam	10 mg/kg (K) + 0.2-0.4 mg/kg (D), IV
	Telazol (Tiletamines + Zolazepam)	1-3 mg/kg, IM, IV
	Pentobarbital	20-30 mg/kg, IV
Maintenance	Isoflurane	1-3 %
Analgesic	Buprenorphine	0.01-0.02 mg/kg, IM, SC, q6-8h
	Butorphanol	0.1-0.5 mg/kg, IM, IV, q2-4h
	Carprofen	2.2-4.0 mg/kg, PO, IV, SC; for a max of 3 days or 1 mg/kg for 5 days
	Meloxicam	0.2 mg/kg, PO
	Ketoprofen	5 mg/kg, IM
	Fentanyl	50 µg/h transdermal patch
	Tramadol	2-3 mg/kg, PO, q6-12h
Antibiotics	Amoxicillin 150mg/ml	1 ml/10 kg, QOD
	Cefazolin	20mg/kg, IV/IM, TID
	Ceftiofur	2.2 mg/kg, IM, SID
	Chloramphenicol Succinate	33.3 mg/kg, IM, TID Adults
	Clindamycin	12.5mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Gentamicin 100 mg/ml	4.4 mg/kg, IM, SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
	Streptomycin	2.5-5 mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25 mg/kg, IM, SID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20 mg/kg, IV/IM, BID
Sedation*	Acepromazine	0.01 mg/kg, IV
	Xylazine	0.5 mg/kg, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Ferret Formulary

Type	Drug Name	Dosage
Pre-Medication/	Atropine	0.04-0.05 mg/kg, IM, SC
	Glycopyrrolate	0.01 mg/kg, IM, SC
Induction	Acepromazine	0.1-0.25 mg/kg, IM, SC
	Xylazine	1.0 mg/kg, IM, SC
	Diazepam	1.0-2.0 mg/kg, IM
	Diazepam	0.5 mg/kg, PO, IM, IV, q6-8h
	Midazolam	0.3-1.0 mg/kg, IM, SC
	Butorphanol	0.1-0.5 mg/kg, IM, IV
	Ketamine	20-30 mg/kg, IM
	Ketamine + Xylazine	10-25 mg/kg (K) + 1-2 mg/kg(X), IM, SC
	Ketamine + Diazepam	10-20 mg/kg (K) + 1-2 mg/kg (D), IM, SC
	Tiletamine-Zolazepam	12-22 mg/kg, IM
Maintenance	Isoflurane	1-5 %
Analgesic	Buprenorphine	0.01-0.05 mg/kg, SC, IM, IV, TM (transmucosal), q8-12h
	Butorphanol	0.05-0.5 mg/kg, SC, IM, q2-4h
	Flunixin meglumine	0.5-2.0 mg/kg, SC, IV, q12-24h
	Ketoprofen	0.3 mg/kg, PO, SC, q24h
	Ketoprofen	1 mg/kg, SC, PO, SC, IM, q24h
	Meloxicam	0.2 mg/kg, SC, IM, q24h
	Caprofen	1.0 mg/kg, PO, q12-24h
	Tramadol	5 mg/kg, PO, q12h
Antibiotics	Amoxicillin 150mg/ml	1 ml/10 kg, QOD
	Cefazolin	20mg/kg, IV/IM, TID
	Ceftiofur	2.2 mg/kg, IM, SID
	Chloramphenicol Succinate	33.3 mg/kg, IM, TID Adults
	Clindamycin	12.5mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Gentamicin 100 mg/ml	4.4 mg/kg, IM, SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
	Streptomycin	2.5-5 mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25 mg/kg, IM, SID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20 mg/kg, IV/IM, BID
Sedation*	Acepromazine	0.1 mg/kg, IM, SC
	Diazepam	1.0 mg/kg, IM
	Midazolam	0.3 mg/kg, IM, SC
	Ketamine	20 mg/kg, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Frog Formulary

Type	Drug Name	Dosage
Pre-Medication/ Induction	Tricaine methosulfonate MS-22	Immersion Bath: 500 mg/L to 2 g/L
		Injection: 50-150 mg/kg, IM, SC
Maintenance	Isoflurane	1-5%
		Topical application: 0.03 to 0.06 ml/g applied to an absorbent pad with an impermeable back.
		38 mg/kg, SC
	Butorphanol	0.2-0.4 mg/kg, IM
	Flunixin meglumine	25 mg/kg intracelomic
	Tricaine methosulfonate MS-22	Immersion Bath: 30-80 mg/L

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

Gerbil Formulary

Type	Drug Name	Dosage
Pre-Medication/	Atropine	0.1-0.4 mg/kg, SC, IM
Induction	Diazepam	3-5 mg/kg, IM
	Ketamine	40-60 mg/kg, IM
	Ketamine + Diazepam	50 mg/kg (K) IM + 5 mg/kg (D), IP
	Ketamine + Medetomidine	75 mg/kg (K) + 0.5 mg/kg (M), IP
	Ketamine + Xylazine	50 mg/kg (K) + 2 mg/kg (X), IP
	Tiletamine/Zolazepam (Telazol) + Ketamine	20 mg/kg (TZ) + 10 mg/kg (K), IP
	Pentobarbital	50-90 mg/kg, IP
	Isoflurane	2-5 %
Maintenance	Isoflurane	0.25-4 %
Analgesic	Flunixin	2.5 mg/kg, IM, SC, q12-24 h
	Buprenorphine	0.01-0.05 mg/kg, SC, IV, q8-12h 0.1-0.2 mg/kg, SC q8h
	Carprofen	5 mg/kg, SC, q24h
Antibiotics	Chloramphenicol	50 mg/60ml drinking water for 2 weeks
	Gentamicin	0.5 mg/100gm BW, IM, SID
	Oxytetracycline	800 mg/L drinking water
	Tetracycline	250 mg/100ml drinking water for 14 days
		2 mg/100gm, BW, PO, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

Guinea pig Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine sulfate	0.05-0.2 mg/kg, SC
	Xylazine	5-10 mg/kg, IP
	Tiletamine-Zolazepam/Xylazine	40 mg/kg (TZ) + 5 mg/kg (X), IM
	Ketamine + Xylazine	40 mg/kg (K), IM + 5 mg/kg (X), SC
	Pentobarbital	15-30mg/kg, IM
		30 mg/kg, IP
	Isoflurane	2-5 %
Maintenance	Isoflurane	0.25-4 %
Analgesic	Flunixin	2.5 mg/kg, IM, SC, q12-24 h
	Buprenorphine	0.01-0.05 mg/kg, SC, IV, q8-12h
		0.1-0.2 mg/kg, SC, q8h
	Carprofen	5 mg/kg, SC, q24h
Antibiotics	Cephaloridine	10-25 mg/kg BW, IM, SID for 5-7 days
	Chloramphenicol palmitate	10-30 mg/kg BW, IM, BID
		Others: Free text
	Neomycin	5 mg/300-400 gm animal, PO, BID for 5 days
	Oxytetracycline	5 mg/kg BW, IM, BID
	Sulfamerazine	10.6ml of 12.5% solution/L drinking water
	Sulfaquinoxaline	0.25-1.0 gm/L drinking water for 30 days
	Tetracycline hydrochloride	225-350 mg/L drinking water
Sedation*	Diazepam	1 mg/kg, IP
	Xylazine	3 mg/kg, IM
	Ketamine	20-40 mg/kg, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Hamster Formulary

Type	Drug Name	Dosage, Route
Pre-Medication	Glycopyrrolate	0.01-0.02 mg/kg, SC
Induction	Acepromazine	0.5-1.0 mg/kg, IM, SC
	Atropine	0.1-0.4 mg/kg, IM, SC
	Yohimbine	0.5-1 mg/kg, IV
	Ketamine + Diazepam	70 mg/kg (K) + 2 mg/kg (D), IP
	Ketamine + Medetomidine	75 mg/kg (K) + 1 mg/kg (M), IP
	Ketamine + Xylazine	80 mg/kg (K) + 5 mg/kg (X), IM, IP
	Telazol + Xylazine	30 mg/kg (T) + 10 mg/kg (X), IM, IP
	Pentobarbital	50-90 mg/kg, IP
	Isoflurane	2-5 % v/v
Maintenance	Isoflurane	0.25-4 %
Analgesic	Buprenorphine	0.1 mg/kg, SC, q6-8h
	Flunixin meglumine	2.5 mg/kg, SC, q12-24h
	Carprofen	5 mg/kg, SC, q24h
Antibiotics	Cephaloridine	10 mg/kg BW, IM, BID
	Chloramphenicol palmitate	20 mg/100gm BW ,PO, TID or 0.2-0.3ml/animal PO, BID
	Gentamicin	0.5mg/100gm BW, IM, SID
	Neomycin	5 ml/100ml drinking water for 5 days, then half dose for 5 more days
		500 mg/L drinking water
		10 mg in 0.25 ml water/40 gm animal SID via intragastric tube
		10 mg neomycin in pellet of cheese/40 gm animal, SID
	Tetracycline hycrochloride	400 mg/L drinking water
	Tylosin	0.2-0.8 mg/100 gm BW for 2 weeks
Sedation*	Acepromazine	0.5 mg/kg, IM, SC
	Ketamine	40 mg/kg IP
	Diazepam	5.0 mg/kg IM, IP
	Xylazine	1.0 mg/kg IM, IP

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Mouse Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine	0.1-0.4 mg/kg, SC, IM
Induction	Ketamine + Xylazine	80-100 mg/kg (K) + 10 mg/kg (X), IP
	Ketamine + Xylazine + Acepromazine	100 mg/kg (K) + 20 mg/kg (X) + 3 mg/kg (A), IP Female mice: 75 mg/kg (K) + 1-2.5 mg/kg (M), IP
	Isoflurane	2-5 %
	Ketamine + Midazolam	80-100 mg/kg (K) + 4-5 mg/kg (M), IP
	Ketamine/Diazepam	50 mg/kg (K) + 5 mg/kg (D), IP (10 µl/g mouse)
Maintenance	Isoflurane	0.25-4 %
Analgesic	Buprenorphine	0.05-2.5 mg/kg, SC, IP, q6-12h
	Flunixin meglumine	0.3-2.0 mg/kg, IM, IV, PO, q12-24h
	Carprofen	5 mg/kg, SC, q24h
	Meloxicam	1-2 mg/kg, PO, SC
	Ibuprofen	30 mg/kg, PO
	Aspirin	120 mg/kg, PO
Antibiotics	Ampicillin	2-10 mg/100 gm BW SC, IM, BID
	Chloramphenicol	Oral suspension 20 mg/100 gm BW, PO, TID for example Chloramycetin palmitate 1-2 drops to an adult mouse TID or 100 mg chloramphenicol/200ml drinking water for 3-5 days
	Gentamicin	0.5 mg/100 gm BW, SC, IP, IM, SID; for example mix 0.1 ml gentamicin with 0.9ml water and give 0.03 ml of dilution to an adult 30 gm mouse or give 40-80 mg/kg BW SC, IP, IM SID for 14 days
	Neomycin	2.6 gm/L drinking water for 5 days, then use one-half of this does for 5 more days or 2mg active ingredient/ml drinking water for 7 days
	Oxytetracycline	400 mg/L drinking water
	Penicillin	100,000 IU/kg BW IM, SC, BID
	Sulfamethazine (12.5 solution)	Dilute 1ml with 49ml water and give 0.5 ml diluted solution to 30 gm mouse or 10.5 ml/L in drinking water
	Tetracycline	3-5 mg/ml in drinking water or 1 mg/ml in drinking water for 7 days
Sedation*	Ketamine	20-40 mg/kg, IP
	Diazepam	5.0 mg/kg, IP
	Xylazine	5.0 mg/kg, IP

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Monkey Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine	0.04-0.1 mg/kg, IM
Induction	Ketamine	10-15 mg/kg, IM
	Telazol	3 - 5 mg/kg, IM
	Isoflurane	3-5%
Maintenance	Isoflurane	0.5-3 %
Analgesic	Buprenorphine	0.01-0.03 mg/kg BID to QID, IM
	Meloxicam	0.2 mg/kg loading, 0.1 mg/kg maintenance SID, PO or SC
	Ketoprofen	2 mg/kg, SID to BID, IM
	Acetaminophen	6 mg/kg, BID, PO
Antibiotics	Amoxicillin 150mg/ml	1 ml/10kg, QOD
	Cefazolin	20 mg/kg, IV/IM, TID
	Ceftiofur	2.2 mg/kg IM SID
	Chloramphenicol Succinate	33.3 mg/kg, IM, TID Adults
	Clindamycin	12.5 mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Furazolidone	10 mg/kg, PO, BID
	Gentamicin 100 mg/ml	4.4 mg per kg IM SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
	Streptomycin	2.5-5mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25 mg/kg, IM, SID
	Sulfamethoxazole/Trimethoprim	trimethoprim: 4 mg/kg, SQ/PO, TID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20 mg/kg, IV/IM, BID
Sedation*	Ketamine	5-10 mg/kg BW

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Pig Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine	0.07-0.09 mg/kg, IM
	Glycopyrrolate	0.004-0.01 mg/kg, IM
Induction	Acepromazine	0.03-0.22 mg/kg IM, IV, SC
	Midazolam	100 µg/kg IM
		0.5 mg/kg IM
	Ketamine	11-33 mg/kg IM
	Ketamine + Acepromazine	33 mg/kg (K) + 1.1 mg/kg (A), IM
	Ketamine + Diazepam	15 mg/kg (K) + 2 mg/kg (D), IM
	Ketamine + Midazolam	33 mg/kg (K) + 500 µg/kg (M)
	Ketamine + Xylazine	20 mg/kg (K) + 2 mg/kg (X), IM
	Telazol	2-8.8 mg/kg, IM
	Telazol + Xylazine	4.4 mg/kg (T) + 2.2 mg/kg (X), IM
		20 mg/kg, IV
	Pentobarbital	5-15 mg/kg/h continuous IV infusion (non survival studies)
	Propofol	Induction with 0.83-1.66 mg/kg IV followed by incremental IV boluses at 14-20 mg/kg/h
Maintenance	Isoflurane	1-3%
Analgesic	Carprofen	2-4 mg/kg, IV, SC, q24h
		5 mg/kg, IM, q24h
	Flunixin meglumine	2-2.2 mg/kg, IV, SC, q12-24h
	Phenylbutazone	1mg/kg, IM
	Buprenorphine	0.01 mg/kg, IV, q6h
		0.02 mg/kg, IV, q10h
		0.005- 0.1 mg/kg, IM, IV, q6-12h
	Fentanyl	50 µg/h patch for 25-30 kg pig, up to 72 h
Antibiotics	Tramadol	2-4 mg/kg, PO
	Phenylbutazone	1 mg/kg, IM, q24h
	Ketoprofen	1-3 mg/kg, PO, q12h
	Amoxicillin 150mg/ml	1 ml/10 kg, QOD
	Cefazolin	20 mg/kg, IV/IM, TID
	Ceftiofur	2.2mg/kg, IM, SID
	Chloramphenicol Succinate	33.3mg/kg, IM, TID Adults
	Clindamycin	12.5 mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20 kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Gentamicin 100 mg/ml	4.4 mg/kg, IM, SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
Sedation*	Streptomycin	2.5-5 mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25mg/kg, IM, SID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20mg/kg, IV/IM, BID
Sedation*	Acepromazine	0.03 mg/kg IM, IV, SC
	Ketamine	11 mg/kg, IM
	Telazol	2 mg/kg, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Rabbit Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine	0.1-0.5 mg/kg, SC, IM
Induction	Glycopyrrolate	0.01-0.02 mg/kg, SC
	Acepromazine	0.25-1.0 mg/kg, IV, IM or SC
		1-5 mg/kg, SC, IM
	Doxopram	5 mg/kg, IM, IV
	Diazepam	1-5 mg/kg, IV, IM
	Midazolam	1-2 mg/kg, IM, IV
	Medetomidine	0.1-0.5 mg/kg, IM
	Ketamine	20-50 mg/kg, IM
	Ketamine + Diazepam	10-15 mg/kg (K) + 0.2-0.5 mg/kg (D), IV
	Ketamine + Xylazine	30-40 mg/kg (K) + 3-5 mg/kg (X), IM
		10 mg/kg (K) + 3 mg/kg (X), IV.
		IV infusion: 25 mg/kg (K) + 5 mg/kg (X). Give the first ½ over 1 min, and the remainder slowly over the next 4 min
	Ketamine + Xylazine + Acepromazine	35 mg/kg (K) + 5 mg/kg (X) + 0.75 mg/kg (A), IM
	Ketamine + Xylazine + Butorphanol	35 mg/kg (K) + 5 mg/kg (X) + 0.1 mg/kg (B), IM
	Ketamine + Medetomidine	20 mg/kg (K) + 0.1 mg/kg (M), IM
	Ketamine + Medetomidine + Butorphanol	10 mg/kg (K) + 0.2 mg/kg (M) + 0.05 mg/kg (B), SC
Maintenance	Propofol	7.5-10 mg/kg, IV
	Medetomidine + Midazolam + Atropine + Propofol	0.25 mg/kg (Me) + 0.5 mg/kg (Mi) + 0.5 mg/kg (A), IM + 4.0 mg/kg (P), IV
	Isoflurane	1-5 %
Analgesic	Buprenorphine	0.01-0.05 mg/kg, SC, IV
	Flunixin meglumine	1.1 mg/kg, SC, IM, q12-24h
	Carprofen	1.5 mg/kg, PO, q12h
		2-4 mg/kg, SC, q24h
	Meloxicam	0.5-2.0 mg/kg, PO, SC, q12h
	Lidocaine and prilocaine (EMLA cream)	Topical, apply 2 mm of cream to skin 45 min prior to procedure.
Antibiotics	Ampicillin	22-44 mg/kg BW in divided doses PO
		10-25 mg/kg BW, IM, q8h
	Cephalothin	12.5 mg/kg BW, IM, QID for 6 days
	Chloramphenicol palmitate	50 mg/kg BW, PO, SID for 5-7 days
	Chloramphenicol succinate	30 mg/kg BW, IM, SID for 5-7 days
	Chlortetracycline	1 mg/ml active drug in drinking water
	Furazolidone (Furoxone)	1-2 tsp (200mg per tsp active ingredient)/pint drinking water
	Gentamicin	4 mg/kg BW, IM, SID
	Nitrofurazone (Furacin)	100 mg/L drinking water for long term therapy
		9 gm/gal drinking water for 5-7 days
		30-100 mg/kg BW in divided doses PO
	Oxytetracycline	0.4 -1 g/L drinking water
		50 mg/kg BW, IM in 4 divided doses over 24 hours
	Penicillin G, benzathine and procaine penicillin G (Bicillin)	22,000-44,000 mg/kg BW, IM or SC every other day
Sedation	Penicillin-dihydrostreptomycin combination (Pen-Strep)	11 mg/kg BW streptomycin q12h, SC or IM
	Sulfamethazine	100 mg/kg BW, PO for example 5ml of 12.5% solution/pint drinking water
	Tetracycline	30-100 mg/kg BW in divided doses PO
		0.4 - 1 gm/L drinking water
Sedation	Acepromazine	0.25 mg/kg, IV, IM or SC
		1 mg/kg, SC, IM
	Diazepam	1 mg/kg, IV, IM
	Midazolam	1 mg/kg, IM, IV
	Medetomidine	0.1 mg/kg, IM

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Rat Formulary

Type	Drug Name	Dosage
Pre-Medication	Atropine	0.05-0.1 mg/kg, SC
		0.1-0.4 mg/kg, SC, IM
Induction	Glycopyrrolate	0.01-0.02 mg/kg, SC
	Acepromazine	0.5-1.0 mg/kg, IM
	Diazepam	3-5 mg/kg, IM
	Ketamine	25-40 mg/kg, IM
	Ketamine + Xylazine	75-95 mg/kg (K) + 5 mg/kg (X), IM, IP
	Ketamine + Acepromazine	75 mg/kg (K) + 3 mg/kg (A), IP
	Ketamine + Medetomidine	75-90 mg/kg (K) + 0.5 mg/kg (M), IP
	Medetomidine	0.03-0.1 mg/kg, SC
	Pentobarbital	60 mg/kg, IP
	Tiletamine-Zolazepam (Telazol)	20-40 mg/kg, IM
	Propofol	7.5-10 mg/kg, IV
	Isoflurane	2-5 %
Maintenance	Isoflurane	2-3 %
Analgesic	Buprenorphine	0.02-0.5 mg/kg, SC, IV, IP, IM
		0.05 mg/kg, SC, IM + Carprofen 5-10 mg/kg, PO
	Butorphanol (Torbugesic)	0.2-2 mg/kg, SC, IP
	Flunixin meglumine	1.1-2.5 mg/kg, SC, q12-24h
	Carprofen (Rimadyl)	5-10 mg/kg, SC, PO, q12-24h
	Meloxicam	1-2 mg/kg, PO, SC, q24h
	Ketoprofen	5 mg/kg, SC, IM, PO, q24h
Antibiotics	Bupivacaine	1-2 mg/kg, SC
	Ampicillin	2-10 mg/100gm BW, SC, IM, IP, BID
	Chloramphenicol palmitate	20 mg/100gm BW, PO, TID
	Gentamicin	0.5 mg/100gm BW, SC, IP, IM SID
	Neomycin	2.6 gm/L drinking water for 5 days, then use one-half of this dose for 5 more days
	Oxytetracycline	400 mg/L drinking water
	Penicillin	100,000 IU/kg BW IM or SC, BID
		Oral Penicillin 15,000 IU/20 ml drinking water
	Sulfamethazine-12.5 solution	10.5 ml/L in drinking water
	Tetracycline hydrochloride	460-643 mg/L in drinking water
Sedation	Diazepam	0.2-0.8 mg/100 gm BW, IM, BID
		10 mg/100 gm BW, PO

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities

Sheep/Goat Formulary

Type	Drug Name	Dosage and Route
Pre-Medication	Atropine	0.07-0.09 mg/kg, IM
Induction	Acepromazine	0.02-0.05 mg/kg, IV 0.05-0.2 mg/kg, IM, SC
	Xylazine	0.02-0.15 mg/kg, IV 0.05-0.2 mg/kg IM, SC
	Detomidine	0.01-0.04 mg/kg, IM, IV
	Medetomidine	5-25 µg/kg IM, IV
	Pentobarbital	20-30 mg/kg, IV
	Propofol	4-6 mg/kg induction; 20-25 mg/min constant infusion
	Ketamine+ Xylazine	2.2-7.5 mg/kg (K), IV + 5-15 mg/kg (X), IM 0.1 mg/kg (K), IV + 0.1-0.2 mg/kg (X), IM
	Ketamine + Diazepam	2.2-7.5 mg/kg (K) + 0.2 mg/kg (D), IV
	Ketamine + Medetomidine	1 mg/kg (K) + 25 µg/kg (M), IM 0.5 mg/kg (K) + 20 µg/kg (M), IV
Maintenance	Isoflurane	1-3 %
Analgesic	Carprofen	0.7-4.0 mg/kg, IV
	Buprenorphine	5-10 µg/kg, IM, q4-6h
	Flunixin meglumine	1.1-2.2 mg/kg q24h IV, IM
	Phenylbutazone	1 mg/kg, IV 1 g/sheep, PO, IM, q24h
	Xylazine	5 mg loading dose then continuous infusion at 2 mg/kg, IV
	Bupivacaine	2 mg/kg, IV, IM, local infiltration
Antibiotics	Amoxicillin 150mg/ml	1 ml/10kg, QOD
	Cefazolin	20 mg/kg, IV/IM, TID
	Ceftiofur	2.2 mg/kg, IM, SID
	Chloramphenicol Succinate	33.3 mg/kg, IM, TID Adults
	Clindamycin	12.5 mg/kg, IM, TID
	Enrofloxacin 50 mg/ml	1 ml/20 Kg, IM, SID
	Erythromycin	15-20 mg/kg/day, IM, BID
	Gentamicin 100 mg/ml	4.4 mg/kg, IM, SID
	Neomycin	50 mg/kg, PO, BID
	Oxytetracycline 200 mg/ml	20 mg/kg, IM, QOD
	Penicillin G Procaine	20,000-40,000 IU/kg, IM/SQ, BID
	Streptomycin	2.5-5 mg/kg, IM, BID
	Sulfadimethoxine	50 mg/kg 1st day, then 25mg/kg IM SID
	Tetracycline	20 mg/kg, PO, TID
	Tylosin	2 mg/kg, IM, SID
	Vancomycin	20 mg/kg, IV/IM, BID
Sedation*	Xylazine	0.02 mg/kg, IV 0.05 mg/kg, IM, SC
	Medetomidine	5 µg/kg, IM, IV
	Ketamine + Diazepam	2.2 mg/kg (K) + 0.2 mg/kg (D), IV

Abbreviation	Description
BID	Twice A Day
BW	Body Weight
IM	Intramuscular
IP	Intraperitoneal
IU	International Units
IV	Intravenous
PO	Oral
QID	Four Times A Day
q4h	Every Four Hours
SC	Subcutaneous
SID	Once A Day
TID	Three Times A Day

* Sedation only, for restraint and minor activities