

Animal Resources Program (ARP)  
Drug Formulary for Laboratory Animals

## NONHUMAN PRIMATES

### Analgesics

	Dose (mg/kg)	Route	Frequency
Acetaminophen	5-10	PO	q4h
Aspirin	10-20	PO	q6-8h
Butorphanol (Torbutrol <sup>®</sup> )	0.05	IM	q4-6h
Buprenorphine (Buprenex <sup>®C<sup>V</sup></sup> )	0.01	IV, IM	q12h
Carprofen (Rimadyl <sup>®</sup> )	2-4	SC	q12-24h
Fentanyl	0.05-0.15 (mcg)*	IM	as needed
Ketoprofen (Ketofen <sup>®</sup> )	5	IM	q12-24h
Meperidine (Demerol HCl <sup>®</sup> )	2-4	IM,IV	q4-6h
Morphine	1-2	IM,IV,SC	q4h
Naloxone	0.01-0.05	IM,IV	
Pentazocine (Talwin-V <sup>®</sup> )	2-5	IM,SC	q4h

### Anesthetics - INJECTABLE

	Dose (mg/kg)	Route	Frequency
Fentanyl & droperidol (Innovar-Vet <sup>®</sup> )	0.06-0.1	IM, IV	q 30-40 min
Ketamine HCl	<u>See table below</u>		
Ketamine HCl/Acepromazine	4 / 0.5	IM	Once
Ketamine HCl/Butorphanol	10.0 / 0.025	IM	Once
Ketamine HCl/Diazepam	15/ 1	IM	Once
Ketamine/Medetomidine	5 / 0.033-0.075	IM	Once
Ketamine HCl/Xylazine (Rompun <sup>®</sup> )	5-10 / 1-2	IM	Once
Pentobarbital sodium (Nembutal <sup>®</sup> )	20-30	IV	q 2-4h
Propofol	2.5-10 0.4-0.6	IV IV	bolus induction per min for maintenance
Thiopental sodium (Pentothal <sup>®</sup> )	22-25	IV	q 0-20 min
Tiletamine/zolazepam (Telazol <sup>®</sup> )	4-6	IM	q 45-60 min

### Dosage Recommendations for Ketamine HCl

Species	Chemical Restraint (mg/kg)	Surgical Anesthesia (mg/kg)
African Green ( <i>Cercopithecus spp.</i> )	10-12	25-30
Baboon ( <i>Papio spp.</i> )	5-12	7.5-15.0
Cynomolgus Macaque ( <i>Macaca fascicularis</i> )	10-15	15-20
Patas ( <i>Erythrocebus patas</i> )	3-5	5.0-7.5
Rhesus ( <i>Macaca mulatta</i> )	5-10	15-20
Squirrel Monkey ( <i>Saimiri sciureus</i> )	12-15	25-30

## Anesthetics - INHALANT

	Induction %	Maintenance %
Halothane	3-4	0.8-1.5
Isoflurane	2-4	0.5-1.5

## Reversal Agents

	Reverses Effects of	Dose (mg/kg)	Route	Frequency
Atipamezole (Antisedan <sup>®</sup> )	Medetomidine	0.15-0.30	IV	
Flumazenil	Diazepam	0.025	IV	
Naloxone	Narcotics	0.01-0.05	IM, IV	
Neostigmine	Neuromuscular blocking agents	0.07-0.08	IM	q2-4h

## Anticholinergics

	Dose (mg/kg)	Route	Frequency
Atropine	0.05	IM	once

## Neuromuscular Blockers (requires ventilator support)

	Dose (mg/kg)	Route	Frequency
Pancuronium	0.08-0.1	IV	
Succinylcholine	1-2	IV	
Tubocurarine	0.09	IV	
Vecuronium	0.04-0.06	IV	

## Tranquilizers

	Dose (mg/kg)	Route	Frequency
Acepromazine	0.25-0.5	IV, IM	
Chlorpromazine (Thorazine <sup>®</sup> )	1-6	IM	
Diazepam (Valium <sup>®</sup> )	0.5-1	IM	