

Animal Resources Program (ARP)
Drug Formulary for Laboratory Animals

GUINEA PIGS

Anticholinergics

	Dose (mg/kg)	Route	Frequency
Atropine	0.02-0.05	IM,SC,IV	

Tranquilizers

	Dose (mg/kg)	Route	Frequency
Acepromazine ¹	0.5-1.5	IM	
Diazepam (Valium [®])	2.5-5.0	IP	

¹ General anesthesia induced after the use of these tranquilizers may result in respiratory arrest.

Analgesics

	Dose (mg/kg)	Route	Frequency
Acetaminophen	200-300	PO	q4h
Aspirin	50-100	PO	q4h
Ketoprofen	5	SC	q24h
Butorphenol	2	SC	q2-4h
Buprenorphine (Buprenex ^{®C} ^V)	0.05	SC	q8-12h
Meperidine (Demerol HCl [®])	20	IM,SC	q2-3h
Morphine	10	IM,SC	q2-4h
Oxymorphone	0.2-0.5	IM, SC	q6-12h

Anesthetics - INJECTABLE

	Dose (mg/kg)	Route	Frequency
Fentanyl/droperidol (Innovar-Vet [®]) ²	0.66-0.88 ml/kg	IM, SC	
Ketamine HCl	40-100	IM	
Ketamine HCl/Acepromazine	125/5	IM	
Ketamine HCl/Diazepam	25-100/2-5	IM	
Ketamine HCl/Xylazine (Rompun [®])	30-50/2-5	IM, IP	
Pentobarbital sodium (Nembutal [®])	25-35	IP, IV	
Thiopental sodium (Pentothal [®])	20	IP	

² Suggested for use in terminal studies only. Can cause muscle irritation and self-mutilation at injection site.

Anesthetics - INHALANT⁴

	Induction	Maintenance %
Halothane (Fluothane [®])	4	0.9-1.5
Isoflurane (Forane [®])	3.5-4.5	1-3

⁴ These agents should be used only in ways that prevent exposure of personnel. Induce in a closed container and maintain with a nose cone in an appropriately ventilated hood.