

Animal Resources Program (ARP)  
Drug Formulary for Laboratory Animals

## RATS

### Anticholinergics

	Dose (mg/kg)	Route	Frequency
Atropine	0.04-0.1	SC	once

### Tranquilizers

	Dose (mg/kg)	Route	Frequency
Acepromazine	1-2	IM	
Chlorpromazine (Thorazine <sup>®</sup> )	1-2	IM,IP	
Diazepam	2-4	IM,IP	
Medetomidine	0.03-0.1	SC,IP	

### Analgesics

	Dose (mg/kg)	Route	Frequency
Aspirin	100-400	SC,	q4h
Buprenorphine	0.01-0.05	SC,IV	q4-6h
Butorphanol	2	SC	Q4h
Carprofen	5	SC	Q24h
Flunixin	2.5	IM,SC	Q24h
Ketoprofen	5	SC	Q24h
Meperidine (Demerol HCl <sup>®</sup> )	10-20	SC,IM	q2-3h
Morphine	10	SC,IM	q2-4h
Pentazocine (Talwin-V <sup>®</sup> )	8-12	SC	hourly

### Anesthetics - INJECTABLE

	Dose (mg/kg)	Route	Frequency
Alpha-chloralose <sup>1</sup>	55	IP	
Fentanyl /droperidol (Innovar-Vet <sup>®</sup> )	2	IM	q30-40 min
Ketamine HCl	44	IM	
Ketamine HCl/Acepromazine	40-80/2.5	IP	
Ketamine HCl/Diazepam (Valium <sup>®</sup> )	40-80/5-10	IP	
Ketamine/Medetomidine	75/0.5	IP	
Ketamine/Midazolam	75/5	IP	
Ketamine HCl/Xylazine (Rompun <sup>®</sup> )	80/10	IP	
Pentobarbital sodium (Nembutal <sup>®</sup> ) <sup>2</sup>	40-50	,IP	
Telazol	20-30	IM,IP	
Thiopental sodium (Pentothal <sup>®</sup> )	20-40	IV,IP	
Urethane <sup>1</sup>	780-1250	IP	

<sup>1</sup> Terminal studies only.

<sup>2</sup> Dilute stock solution to accurately dose animals.

### Anesthetics - INHALANT<sup>3</sup>

	Dose (mg/kg)	Route	Frequency
Halothane (Fluothane <sup>®</sup> )	To effect		
Isoflurane (Forane <sup>®</sup> )	To effect		

<sup>3</sup> These agents should be used only in ways that prevent exposure to personnel. Induce anesthesia in a closed container and maintain with a nose cone in an appropriately ventilated hood.