

Animal Resources Program (ARP)
Drug Formulary for Laboratory Animals

MICE

Anticholinergics

	Dose (mg/kg)	Route	Frequency
Atropine	0.04	SC,IM	once

Tranquilizers

	Dose (mg/kg)	Route	Frequency
Acepromazine	1-2	IM	
Chlorpromazine (Thorazine [®])	4-8	IM	
Diazepam (Valium [®])	5	IP	
Xylazine HCl (Rompun [®])	10	IP	

Analgesics

	Dose (mg/kg)	Route	Frequency
Aspirin	400	SC,	q24h
Butorphanol tartrate (Torbutrol [®])	1-5	SC	q4h
Buprenorphine (Buprenex [®] C ^V)	0.05-0.1	SC	Q4-6h
Flunixin	2.5	SC,IM	Q12h
Ketoprofen	5	SC	Q24h
Meperidine (Demerol HCl [®])	10-20	SC,IM	q2-3h
Morphine	10	SC	q2-4h
Pentazocine (Talwin-V [®])	10	SC	q3-4h

Anesthetics - INJECTABLE

	Dose (mg/kg)	Route	Frequency
Alpha-chloralose ¹	114	IP	
Ketamine HCl	100-200	IM	
Ketamine HCl/Acepromazine	100/2.5	IM	
Ketamine HCl/Diazepam	200 IM/5	IP	
Ketamine/Medetomidine	50-75/1	IM	
Ketamine HCl/Xylazine (Rompun [®])	90-150/10	IM,IP	

Medetomidine	0.03-0.1	SC,	
Pentobarbital sodium (Nembutal [®]) ²	50-80	IP	q20-30 min
Thiopental sodium (Pentothal [®])	35-50	IP,IV	

¹ Terminal studies only.

² Dilute stock solution to accurately dose animals.

Anesthetics - INHALANT³

	Dose (mg/kg)	Route	Frequency
Halothane (Fluothane [®])	To effect		
Isoflurane (Forane [®])	To effect		

³ 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.