

Note to user: this list of commonly-used anesthetics is not all-inclusive. The absence of an agent does not necessarily mean it is unacceptable. For any questions, call DLAM at 966-3111 and ask to speak to a veterinarian. In all cases, the IACUC must approve its use in an application or amendment before any of the listed agents can be used. Reference to this list does not confer approval

<u>ANESTHETICS</u>	<u>SPECIES</u>	<u>DOSAGE</u>	<u>ROUTE</u>	<u>COMMENTS</u>
Avertin (tribromoethanol/amylene hydrate)	mice	0.2 ml/ 10 g	IP of 1.25% sol	No longer commercially available, but can be made. For concentrated solution (66 2/3%): dissolve 1g 2,2,2-tribromoethanol in 0.5 g amylene hydrate. Take 0.5 ml concentrate and mix with 39.5 ml sterile saline. This is now a 1.25% solution. If pH falls below 5.0, discard. Frequent use may induce chemical peritonitis.
	rat	300 mg/kg	IP	
Isoflurane (vaporizer)	many sp.	1 - 4% to effect		Need training for use. Vaporizers available in most buildings, check on availability. Highly recommended anesthetic, effective and safe in many species.
Ketamine	G. pig	44 mg/kg	IM	Dissociative general anesthetic, if used alone, not usually adequate for deep anesthesia. Eyes remain open and must be protected. Atropine recommended with this drug.
	mice	100 mg/kg	IP	
	rat	50-100 mg/kg	IM	Use proper injection technique to avoid sciatic nerve.
	rabbit	44 mg/kg	IM	
	swine	15-25 mg/kg	IM	
Ketamine & acepromazine (minor procedures)	cat	20 mg/kg & 0.11 mg/kg	IM	
	G. pig	44 mg/kg & 5 mg/kg	IM	
	mice	100 mg/kg & 2.5 mg/kg	IM or IP	
	rat	75 mg/kg & 2.5 mg/kg	IM	
	rabbit	50 mg/kg & 1 mg/kg	IM	
Ketamine & diazepam	G. pig	100 mg/kg & 5 mg/kg	IM	Do not mix in same syringe as precipitation may occur
	mice	100 mg/kg & 5 mg/kg	IM or IP	
	rat	40-80 mg/kg & 5-10 mg/kg	IP	
	rabbit	30-40mg/kg & 2-5mg/kg	IM	

Ketamine & medetomidine

dog	3-7.5 mg/kg & 10-40 ug/kg	IM
G. pig	40 mg/kg & 500 ug/kg	IP
mice	50-100 mg/kg & 1 mg/kg	IP
rat	60-70 mg/kg & 250-500 ug/kg	IP
rabbit	25 mg/kg & 500 ug/kg	IM

Ketamine & xylazine

cat	10 mg/kg & 1 mg/kg	IM
dog	10 mg/kg & 2 mg/kg	IM
G. pig	50 mg/kg & 5 mg/kg	IP
mice	90-120 mg/kg & 10 mg/kg	IP or IM
rat	80-100 mg/kg & 10 mg/kg	IP or IM
rabbit	20-40 mg/kg & 3-5 mg/kg	IM, SC

Ketamine, tiletamine/zolazepam (Telazol®) & xylazine

swine	2.2 mg/kg, 4.4 mg/kg & 2.2 mg/kg	IM
-------	----------------------------------	----

Provides short-term anesthesia for minor procedures in juvenile swine; prolonged recovery in adults related to zolazepam.

Ketamine, xylazine & acepromazine

G. pig	40 mg/kg, 10 mg/kg & 1.5 mg/kg	IM
--------	--------------------------------	----

Pentobarbital sodium

cat	30 mg/kg	IV to effect for anesthesia
G. pig	28 mg/kg	IP
mice	50-90 mg/kg	IP-
rat	40-60 mg/kg	IP
rabbit	28 mg/kg	IV, IP

Barbiturate; may cause fetal respiratory depression if used for cesarean section.

Suggest making dilution for more accurate dosing.

Propofol

cat	8 mg/kg	IV
dog	6-7 mg/kg	IV

Short acting hypnotic with little to no analgesic properties.