

Recommended Anesthetic Agents: *Sheep*

Sheep	Sedatives / Premedications		
	Name / Dose	Route	Needle Gauge
	Ketamine (5-10 mg/kg) / Xylazine (0.1-0.2 mg/kg)	IM	≤ 20
	Telazol (3.5-4.0 mg/kg) / Xylazine (0.1 mg/kg)	IM	≤ 20
	Ketamine (4-7.5 mg/kg) / Diazepam (0.25-0.35 mg/kg)	IV	≤ 20
	Propofol (4-6 mg/kg) for induction followed by intubation. <i>Give 1/2 dose and monitor to evaluate effect (excessive dose may cause apnea).</i> Maintenance by CRI - (0.3-0.5 mg/kg/min).	IV for induction CRI for maintenance	≤ 20
Anesthetics (Maintenance Agents)			
Name / Dose	Route	Needle Gauge	
Isoflurane: Induction via face mask for intubation (3 - 4.5%) Maintenance via ET tube (1.5 - 2.5%) <i>Define delivery gas, e.g., 100% O₂</i>	Inhalation via precision vaporizer with scavenger system*	NA	
Sevoflurane: Induction via face mask for intubation (5.5 - 7%) Maintenance via ET tube (3 - 4.5%) <i>Define delivery gas, e.g., 100% O₂</i>	Inhalation via precision vaporizer with scavenger system*	NA	

*= Per UMB ACUP [Equipment Maintenance Guidelines](#): Vaporizers must be calibrated annually.

IM - intramuscular
IV - intravenous
CRI - continuous rate infusion

References:

Fish et al, Anesthesia and Analgesia in Laboratory Animals, 2nd Edition
Hawk et al, Formulary for Laboratory Animals, 3rd Edition
Lumb and Jones' Veterinary Anesthesia, 3rd Edition
Plumb, Veterinary Drug Handbook, 3rd Edition