

Recommended Anesthetic Agents: *Swine*

Swine	<i>Sedatives / Premedications</i>		
	Name / Dose	Route	Needle Gauge
	Ketamine (20-25 mg/kg) / Xylazine (2-5 mg/kg)	IM / SC	≤ 20
	Ketamine (25-33 mg/kg) / Acepromazine (0.8-1.1 mg/kg)	IM / SC	≤ 20
	Telazol (4-5 mg/kg) / Xylazine (1.8-2.2 mg/kg)	IM	≤ 20
	<i>Anesthetics (Maintenance Agents)</i>		
	Name / Dose	Route	Needle Gauge
	Isoflurane: Induction via face mask for intubation (3.5 - 5%) Maintenance via ET tube (1.5 - 3%) <i>Define delivery gas, e.g., 100% O₂</i>	Inhalation via precision vaporizer with scavenger system	NA
	Sevoflurane: Induction via face mask for intubation (4.5 - 7%) Maintenance via ET tube (3.5 - 4.75%) <i>Define delivery gas, e.g., 100% O₂</i>	Inhalation via precision vaporizer with scavenger system	NA
	Propofol (2-4.4 mg/kg) - Induction Maintenance by CRI at (0.2-0.4 mg/kg/min) <i>Best combined with Fentanyl pre-med; For induction, give 1/2 dose and monitor to evaluate effect (excessive dose can cause apnea).</i>	IV - CRI	≤ 20
<i>Supplementary Maintenance Agents</i>			
Name / Dose	Route	Needle Gauge	
Fentanyl (0.05 mg/kg loading dose followed by 0.03-0.1 mg/kg/hr)	IV - CRI	≤ 20	

IM - intramuscular
 SC - subcutaneous
 IV - intravenous
 CRI - continuous rate infusion

References:
 Fish et al, Anesthesia and Analgesia in Laboratory Animals, 2nd Edition
 Lumb and Jones' Veterinary Anesthesia, 3rd Edition
 Swine in the Laboratory MM Swindle, 2nd Edition
 Plumb, Veterinary Drug Handbook, 3rd Edition