

Recommended Anesthetic Agents: *Mice*

Mice	Name / Dose	Route	Needle Gauge
	Ketamine (80-150 mg/kg) / Xylazine (8-15 mg/kg)	IP	26 - 23
	Ketamine (90-100 mg/kg) / Xylazine (9-10 mg/kg) / Acepromazine (1-3 mg/kg) <i>NOTE: Do NOT use in pediatric or geriatric mice.</i>	IP	26 - 23
	Isoflurane	Inhalation via dessicator jar in a chemical fume hood <i>NOTE: This method is only acceptable for short duration procedures (e.g., blood collection, injections, topical applications, etc.)</i>	NA
	Isoflurane: Induction chamber (>3 - 4.5%) Maintenance via face mask (>1 - 3%) <i>Define delivery gas: 100% O₂; 70% O₂ / 30% N₂O, etc.</i>	Inhalation via precision vaporizer with scavenger system*	NA
	Sevoflurane: Induction chamber (5.5 - 6.5%) Maintenance via face mask (3 - 4.5%) <i>Define delivery gas: 100% O₂; 70% O₂ / 30% N₂O, etc.</i>	Inhalation via precision vaporizer with scavenger system*	NA
	Tribromoethanol (200-250 mg/kg of 1.2% Solution) <i>NOTE: Fresh solution must be made every 2 weeks. Filter and cover solution with foil to prevent degradation due to light exposure. Refrigerate when not in use.</i>	IP	26 - 23

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

IP - intraperitoneal

References:

Laboratory Animal Medicine ACLAM 3rd Edition
Fish et al, Anesthesia and Analgesia in Laboratory Animals, 2nd Edition
Lumb and Jones' Veterinary Anesthesia 3rd Edition