

Mouse Anesthesia

Drug (Generic)	Trade Name	Dose	Freq	Route	Indications & Comments
*Ketamine	Ketaset, Ketalar	90-120 mg/kg		IP, IM	Surgical anesthesia
Xylazine	Rompun	10 mg/kg			
*Ketamine	Ketaset, Ketalar	50-75 mg/kg		IP	Surgical anesthesia in male mice. Not for major surgical procedures
Dexmedetomidine	Dexdomitor	1 mg/kg			
*Ketamine	Ketaset, Ketalar	30 mg/kg			
Xylazine SA	Rompun	6 mg/kg		SC, IP	Surgical anesthesia
Acetylpromazine	Acepromazine	1 mg/kg			
*Pentobarbital - lo dose	Nembutal	40 mg/kg		IP	Surgical anesthesia
*Pentobarbital - hi dose	Nembutal	85 mg/kg		IP	Surgical anesthesia
Atipamezole - lo dose	Antisedan	0.5-1 mg/kg		IP, SC, IM, IV	Antagonist of ketamine/dexmedetomidine & ketamine/xylazine anesthesia
Tribromoethanol - lo dose	Avertin	125-250 mg/kg		IP	Anesthesia

Mouse Sedatives/Tranquilizers

Drug (Generic)	Trade Name	Dose	Freq	Route	Indications & Comments
Acetylpromazine	Acepromazine	2-5 mg/kg		IM, IP	Light tranquilization
*Diazepam	Valium	5 mg/kg		IP	Light sedation
Xylazine	Rompun	10 mg/kg		IP	Light sedation

Mouse Analgesics

Drug (Generic)	Trade Name	Dose	Freq	Route	Indications & Comments
*Buprenorphine	Buprenex	0.05-0.1 mg/kg	q12h	SC	
Carprofen	Rimadyl	5 mg/kg	q12-24h	SC	
Flunixin	Banamine	2.5 mg/kg	q12h	SC, IM	
Ketoprofen	Ketofen	5 mg/kg	q24h	SC	
Meloxicam	Metacam	1-2 mg/kg	q12h	SC, PO	
Lidocaine - max dose		10 mg/kg			Local analgesic infiltration
Bupivacaine - max dose		6 mg/kg			

*DEA TxDPS license

Dosages will vary depending on individual, strain and breeds. Doses should be adjusted accordingly Considerations