

Dexdomitor Dosing Chart: Veterinary Dosage Guide & Safety Tips

This chart offers a quick reference for common Dexdomitor (dexmedetomidine) dosages in dogs and cats. Dexdomitor is a powerful alpha-2 adrenergic agonist, often used for sedation, anxiolysis, and as a pre-anesthetic. It's crucial to remember that these are general guidelines; individual patient needs and concurrent medications always change things.

SPECIES ↑↓	PURPOSE & ROUTE ↑↓	DEXDOMITOR DOSE (MCG/KG) ¹	DEXDOMITOR VOLUME (ML/KG) (0.5 MG/ML) ¹	NOTES & CONSIDERATIONS ↑↓
Dog	Sedation/Anxiolysis (IM)	10 mcg/kg	0.02 mL/kg	For mild-moderate sedation. Expect effects within 15-30 minutes.
Dog	Sedation/Anxiolysis (IM)	20 mcg/kg	0.04 mL/kg	For moderate-deep sedation. Higher doses extend duration, but don't significantly deepen the sedation.
Dog	Premedication (IM/IV)	1-5 mcg/kg	0.002-0.01 mL/kg	Often combined with an opioid to reduce anesthetic requirements. Use the lower end of the range.
Cat	Sedation/Anxiolysis (IM)	15 mcg/kg	0.03 mL/kg	For mild-moderate sedation. Cats sometimes need a slightly higher dose than dogs for a similar effect.
Cat	Sedation/Anxiolysis (IM)	20-40 mcg/kg	0.04-0.08 mL/kg	For deeper sedation. Monitor closely for respiratory depression and hypothermia.
Cat	Premedication (IM/IV)	2-7 mcg/kg	0.004-0.014 mL/kg	Often combined with an opioid. Consider lower doses for sick or elderly cats to avoid complications.
Both	Reversal (Atipamezole IM)	N/A	N/A	Atipamezole (Antisedan) reverses Dexdomitor. The typical dose is 5x the Dexdomitor dose on a mcg basis, or an equal volume if Dexdomitor was 0.5 mg/mL and Atipamezole is 5 mg/mL.

7 rows