

Drug	HQ/HV use	Human Use	Veterinary Products	Availability	Notes and possible substitutions
Alfaxalone	Uncommon	Veterinary only	Jurox	Available	Shortages seem unlikely, potentially very useful drug as can be used off label for IM sedation (in combination only!) or IV for induction. See Jurox website for CE
Bupivacaine	Local Anesthetic	Local Blocks	Nocita	Limited	Nocita is a veterinary product- liposome encapsulated (long acting) bupivacaine- available but expensive. Nocita is labeled for feline declaw and TPLO surgery but has been used in canine spay surgeries as well. Shortages of traditional bupivacaine are reported.
Buprenorphine	Analgesic	Not routinely used for critically ill, used in treatment for opioid addiction	Simbadol (24 hour formulation labeled for cats); compounded 0.6 mg/ml; Buprenorphine S/R	Veterinary products have good availability	Human product is 0.3 mg/ml; shortages of veterinary products seem unlikely, be cautious if you substitute a veterinary product about concentration and duration of action
Butorphanol	Pre-med or TIVA combo	Uncommon	Zoetis product	Small animal (2 mg/kg) and large animal (10 mg/kg) currently available	Shortages seems unlikely; likely sufficient for castrations in combination with local anesthetic and NSAID
Dexmedetomidine	Sedation; mainstay of many combo protocols	Used for sedation of human patients	Zoetis, Dechra, others	Veterinary products currently available but shortages possible	Supply chain could eventually affect manufacture of veterinary product; medetomidine generic or compounded should be available.

Diazepam	Mostly for IV induction	Widely used for sedation	None	Limited	Seems prudent to reduce or avoid use when possible
Fentanyl	Not used	Sedation and management	None	Limited	Already shortages since 2017, frequently on back order or allocation
Hydromorphone	Analgesic	pain	None	Limited	Already shortages since 2017, frequently on back order or allocation; switching to buprenorphine is best option
Ketamine	Analgesic and Anesthetic	Sedation	Zoetis product (ketaset), Dechra and others	Shortages expected	Veterinary products are currently available but shortages expected due to supply chain issues; changing to telazol or TTDex or alfaxalone based combination protocol are all good options
Lidocaine	Local Anesthetic	Local Blocks	None	Limited	Shortages or allocation is possible
Medetomidine	Analgesic and sedative	Not used	Generic available; also compounded	Available	2 concentrations available, if using the 1 mg/ml product than the volume of medetomidine needed is the same as the volume of dexmedetomidine would have been
Midazolam	Sedative	Sedative and anxiolytic	None	High demand/limited availability	Avoid or decrease use if possible. Shortages exist. Substitute Telazol or other combination for ketamine/midazolam
Propofol	Anesthetic	Sedation and anesthesia	Zoetis product (propoflo), also Propoflo28	High demand, limited availability	Propoflo 28 and other products markets by animal drug companies should be more available but shortages could occur due to supply chain; reports of shortages and allocation. Avoid or decrease use when possible. Alfaxalone is logical substitution for IV induction.
Telazol	Anesthetic	Veterinary only	Zoetis product, also Dechra	Available	Can be used IV induction or used in many drug combos; shortages not reported