

Emergency Drug Formulary

Drug	Dosage	Route	Freq	Comments
Atropine sulfate (Abbott)	0.04 mg/kg 0.08 mg/kg	IM, IV, IO IT		Bradycardia
Bupivacaine (Marcaine, AstraZeneca)	2 mg/kg	SC, topical		Ducks
Buprenorphine HCl (Buprenex, Reckitt & Colman)	0.01-0.5 mg/kg	IM	q8-12h	
Butorphanol tartrate (Torbugesic, Fort Dodge)	0.5-3 mg/kg	SC, IM	q4-6h	
Calcium EDTA (Calcium Disodium Versenate, 3M Pharmaceuticals)	35 mg/kg	IM	q12h	Preferred initial chelator for lead and zinc toxicity; maintain hydration and monitor patient for PU/PD
Calcium glubionate (Calcionate syrup, Watson/Rugby)	150 mg/kg	PO	Q12h	
Calcium gluconate (Fort Dodge)	50-100 mg/kg	SC, IM		Dilute parenteral calcium in a 1:1 ratio with sterile water or 0.9% saline.
Carprofen (Rimadyl, Pfizer)	2-4 mg/kg 1-2 mg/kg	PO IM, IV	q8h12h q12-24h	
Cisapride	0.5-1.0 mg/kg	PO	q8-12h	
Dextran 70 (Dextran 70, McGaw)	10-20 ml/kg	IV, IO		Hypovolemia, hypoproteinemia
Dextrose (50%)	0.25 ml/kg	IV, IO slow bolus		Hypoglycemia
Diazepam (Valium, Roche)	0.5-1.0 mg/kg	IM, IV, IO		Seizures
Diphenhydramine (Benadryl, Parke-Davis)	1-4 mg/kg 2-4 mg/kg	PO IM, IV	q8h q12h	
Dimercaptosuccinic acid or DMSA (AlChemet, Bock Pharmacal)	25-35 mg/kg	PO	q12h x 5 days/week for 3-5 weeks	Lead, zinc chelation
Dinoprost tromethamine				see prostaglandin F2 alpha
Doxapram (Dopram-V, Aveco)	2 mg/kg	IV, IO, IT		Respiratory depression
Edetate calcium disodium				See calcium EDTA
Epinephrine (1:1000)	0.01 mg/kg 0.02 mg/kg	IV, IO IT		Bradycardia
Furosemide (Furosemide, Roxane)	0.1-2.0 mg/kg	PO, SC, IM, IV, IO	q6-24h	lories are extremely sensitive ⁴⁶⁷
Hemoglobin glutamer-200				See oxyglobin
Hetastarch (Hespan, DuPont)	10-15 ml/kg	IV slow bolus, IO	q8h	Hypoproteinemia; hypovolemia

Iodine (Lugol's iodine)	0.2 ml/L drinking water 5-10 mg/kg	PO PO	q12-24h	For treatment of thyroid hyperplasia in budgerigar parakeets
Ketoprofen (Ketofen, Fort Dodge)	5 mg/kg	PO, IM	q12h	
Lactulose (Cephulac, Schiapparelli Searle)	200 mg (0.3 ml)/kg	PO	q8-12h	
Leuprolide acetate (Depo Lupron, TAP Pharmaceuticals)	100-200 mg/kg	IM	q2-4 weeks	Much higher doses have also been reported: 700-800 mg/kg for birds ≤ 300g or 500 mg/kg for birds > 300g
Lidocaine (Xylocaine, Abraxis)	1-4 mg/kg	Topical		Dilute 1:10
Mannitol (Manniject, Vetus)	0.5-2.0 mg/kg	IV slow bolus		Cerebral edema; anuric renal failure
Meloxicam (Metacam, Boehringer Ingelheim)	0.2-0.5 mg/kg	PO, IM	q12-24h	Once daily may be sufficient in raptors
Metoclopramide (Reglan, Robins)	0.5 mg/kg	PO, IM, IV, IO	q8-12h	
Oxyglobin or Hemoglobin glutamer-200 (Biopure Corp.)	5-10 ml/kg	IV, IO		Hemoglobin replacement product
Oxytocin (Oxytocin, Butler)	0.5-5.0 IU/kg	IM, SC	May repeat q30 to 60 min	Use should be preceded by calcium; contraindicated unless uterovaginal sphincter is well dilated and uterus free of adhesions; should not be used if egg looks overly large or laminated
Pralidoxime (2-PAM) (Protopam, Wyeth-Ayerst)	10-100 mg/kg	IM	q24-48h or repeat in 6h	Administer within 24 to 36h hr of organophosphate intoxication
Prostaglandin E (Prepidil, Pharmacia and Upjohn)	0.2 mg/kg or 0.1 ml/100g	Topical		Relaxes the uterovaginal sphincter; enhances the action of oxytocin and PGF2alpha; may be frozen in aliquots; thaw just prior to administration
Prostaglandin F2 alpha (Lutalyse, Upjohn)	0.02-0.1 mg/kg	IM	Once	Use should be preceded by calcium; Should not be used if egg looks over large or laminated; Seems to stimulate more potent contractions than oxytocin, but associated with risk of more adverse effects in mammals
Vasopressin	0.8 U/kg	IV, IO, IT		Use as an alternative or with epinephrine in asytole
Vitamin A	5000 IU/kg	IM	Once or q7d	
Vitamin B₁ (thiamine)	1-2 mg/kg	IM	q24h	Volume may also be added to fluids
Vitamin D3	3000 IU/kg	IM	Once or q7d	
Vitamin E/ selenium (Bo-SE, Schering Plough Animal Health Corp)	0.06 mg/kg	IM	Once or q7d	
Vitamin K₁ (Veda-K ₁ , Vedco)	0.2-2.2 mg/kg	IM	Q4-8h	