

## Utah Task Force 1: Canine Drug Dose Quick Reference

### Drug doses in ml for estimated body weight in lbs

Body Wt	10	20	30	40	50	60	70	80	90	100	110	120
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**Acepromazine**, 10 mg/ml, SQ or IM, for sedation

0.02	0.05	0.07	0.09	0.11	0.14	0.16	0.18	0.20	0.23	0.25	0.27
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**Activated charcoal** (UAA Gel), PO, for toxic ingestion (*Note: only use if normal mental status*)

10	20	30	40	50	60	70	80	90	100	110	120
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**Amoxicillin/clavulanic acid** (Augmentin) tablets (875 mg), PO, q 12 hrs, antibiotic

437 mg	437 mg	437 mg	875 mg	875 mg	875 mg	875 mg	875 mg	875 mg
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**Antisedan** (atipamezole), 5 mg/ml, IM, to reverse Dexdomitor

0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	0.91	1.00	1.09
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**Antivenin-crotalid** (Cro-Fab), IV, for rattlesnake bite

2 vials	2 vials	1 vial	1 vial	1 vial	1 vial	1 vial	1 vial	1 vial	1 vial	1 vial	1 vial
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**Antizol-Vet** (fomepizole, 4-methylpyrazole), 50 mg/ml, IV, for antifreeze (ethylene glycol) toxicity (*Note: see package insert for protocol*)

Initial dose	1.82	3.64	5.45	7.27	9.09	10.91	12.73	14.55	16.36	18.18	20.00	21.82
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**Apomorphine** tablets (6 mg), place in conjunctival sac to induce vomiting, flush with water after effect (*Note: only use if normal mental status*)

3 mg	3 mg	3 mg	3 mg	3 mg	3 mg	6 mg	6 mg	6 mg	6 mg	6 mg	6 mg
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**Atropine**, 0.54 mg/ml, IV for CPR, IM for organophosphate toxicity, repeat q 5 min for CPR

OP toxicity	1.68	3.37	5.05	6.73	8.42	10.10	11.78	13.47	15.15	16.84	18.52	20.20
CPR	0.34	0.67	1.01	1.35	1.68	2.02	2.36	2.69	3.03	3.37	3.70	4.04

**Butorphanol** (Torbugesic), 10 mg/ml, IM, SQ or IV, for sedation and analgesia (usually with Dexdomitor)

0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	0.91	1.00	1.09
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**Butorphanol** (Torbutrol), 10 mg tabs, for cough suppressant, minimal analgesia, minimal sedation (*Note: tramadol much more effective analgesic*)

5 mg	5 mg	10 mg	10 mg	10 mg	20 mg	20 mg	20 mg	30 mg	30 mg	30 mg	30 mg
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**Cefazolin**, 100 mg/ml, SQ, IM or IV, antibiotic, repeat q 6-8 hrs

1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
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**Cephalexin** capsules (250 and 500 mg), PO, q 12 hrs, antibiotic

250 mg	250 mg	500 mg	500 mg	500 mg	1000 mg	1000 mg	1000 mg	1500 mg	1500 mg	1500 mg
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**Cerenia** (maropitant) tabs, 60 mg, PO, Q 24 hr, antiemetic

15 mg	30 mg	30 mg	45 mg	60 mg	60 mg	75 mg	90 mg	90 mg	90 mg	120 mg
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**Drug doses in ml for estimated body weight in lbs**

Body Wt	10	20	30	40	50	60	70	80	90	100	110	120
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**Cerenia** (maropitant), 10 mg/ml, SQ, Q 24 hr, antiemetic (*Note: stings on inject*)

0.45	0.91	1.36	1.82	2.27	2.73	3.18	3.64	4.09	4.55	5.00	5.45
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**Ciprofloxacin** tablets (500 mg), PO, q 24 hrs, antibiotic

125 mg	250 mg	250 mg	500 mg	500 mg	750 mg	1000 mg	1000 mg	1250 mg	1250 mg	1500 mg	1500 mg
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**Deramaxx** tablets (100 mg), PO, q 24 hrs, non-steroidal anti-inflammatory, acute dose for no longer than 4 days

Acute	25 mg	25 mg	50 mg	75 mg	75 mg	100 mg	125 mg	125 mg	150 mg	150 mg	200 mg	200 mg
Chronic			25 mg	25 mg	50 mg	50 mg	50 mg	75 mg	75 mg	75 mg	100 mg	100 mg

**Dexamethasone sod. phos.**, 4 mg/ml, IV or IM, for allergic reaction or laryngeal swelling (*Note: may decrease sense of smell*)

0.57	1.14	1.70	2.27	2.84	3.41	3.98	4.55	5.11	5.68	6.25	6.82
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**Dexdomitor** (dexmedetomidine), 0.5 mg/ml, IM or IV, for sedation (usually with butorphanol; reverse with Antisedan)

0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	0.91	1.00	1.09
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**Diphenhydramine** (Benadryl), 50 mg/ml, IM, for allergic reaction (*Note: may dry nasal passages and decrease scent ability*)

0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40
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**Diphenhydramine** tablets (Benadryl, 25 mg), PO, q 8-12 hrs, for allergic reaction (*Note: may dry nasal passages and decrease scent ability*)

12.5 mg	25 mg	25 mg	50 mg	50 mg	50 mg	75 mg	75 mg	75 mg	100 mg	100 mg	100 mg
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**Epinephrine**, 1:1000, IV, for CPR or anaphylactic reaction, repeat q 3-5 min for CPR

Anaphylaxis	0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	0.91	1.00	1.09
CPR	0.91	1.82	2.73	3.64	4.55	5.45	6.36	7.27	8.18	9.09	10.00	10.91

**Euthanasia solution** (Beuthanasia, Somnasol), IV for euthanasia if animal is suffering (*NOTE: WILL CAUSE DEATH!!! See note below.*)

2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
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**Flagyl** (metronidazole) tablets (250 and 500 mg), PO, q 12 hrs, antibiotic or for stress diarrhea

62 mg	125 mg	250 mg	250 mg	250 mg	500 mg	500 mg	500 mg	500 mg	500 mg	750 mg	750 mg
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**Hydromorphone**, 2 mg/ml, IV, IM or SQ, for analgesia (*Note: may cause vomiting and panting after injection*)

0.23	0.45	0.68	0.91	1.14	1.36	1.59	1.82	2.05	2.27	2.50	2.73
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**Ketamine**, 100 mg/ml, IV in combination with midazolam for sedation, can be given IM but stings

0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
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**Lidocaine**, 2%, intradermal for local anesthesia, maximum dose (can dilute in sterile water or saline to increase volume)

0.45	0.91	1.36	1.82	2.27	2.73	3.18	3.64	4.09	4.55	5.00	5.45
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**Lomotil** (diphenoxylate), 2.5 mg tablets, PO, q 8 hrs, for diarrhea

0.625 mg	0.625 mg	1.25 mg	1.25 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	5.0 mg	5.0 mg	5.0 mg	5.0 mg
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**Drug doses in ml for estimated body weight in lbs**

Body Wt	10	20	30	40	50	60	70	80	90	100	110	120
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**Mannitol**, 20%, IV, for head trauma (*Note: must be warmed to dissolve crystals*)

11.4	22.7	34.1	45.5	56.8	68.2	79.5	90.9	102.3	113.6	125.0	136.4
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**Midazolam**, 5 mg/ml, IM or IV, for sedation, anxiety or seizures

0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
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**Naloxone**, 0.4 mg/ml, IV or IM, for opioid toxicity

0.45	0.91	1.36	1.82	2.27	2.73	3.18	3.64	4.09	4.55	5.00	5.45
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**Pralidoxime** (Protopam, 2-PAM), 1 g bottle, IM, for organophosphate toxicity

45 mg	90 mg	136 mg	181 mg	227 mg	272 mg	318 mg	363 mg	409 mg	454 mg	500 mg	545 mg
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**Prednisone** tablets (20 mg), PO, q 12-24 hrs, for allergic reaction or inflammation (*Note: may decrease sense of smell*)

5 mg	5 mg	5 mg	10 mg	10 mg	10 mg	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
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**Reglan** (metoclopramide), 5 mg/ml, SQ or IM, antiemetic

0.36	0.73	1.09	1.45	1.82	2.18	2.55	2.91	3.27	3.64	4.00	4.36
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**Reglan** (metoclopramide) tablets (10 mg), PO, q 8 hrs, antiemetic

2.5 mg	2.5 mg	5 mg	10 mg	10 mg	10 mg	10 mg	15 mg	15 mg	15 mg	20 mg	20 mg
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**Rimadyl** tablets (100 mg), PO, q 12 hrs, nonsteroidal anti-inflammatory

12.5 mg	25 mg	25 mg	50 mg	50 mg	50 mg	75 mg	75 mg	100 mg	100 mg	100 mg	125 mg
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**Robitussin DM** syrup, PO, q 8-12 hrs, for coughing

2.5	2.5	2.5	5.0	5.0	5.0	5.0	7.5	7.5	7.5	10.0	10.0
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**Solu-Medrol** (methylprednisolone sod. succ.), 125 mg/ml, IV, for spinal trauma (*Note: may decrease sense of smell*)

Initial dose	1.09	2.18	3.27	4.36	5.45	6.55	7.64	8.73	9.82	10.91	12.00	13.09
2 and 8 hours later	0.55	1.09	1.64	2.18	2.73	3.27	3.82	4.36	4.91	5.45	6.00	6.55

**Tramadol** tablets (50 mg), PO, q 6-12 hrs, for analgesia

12.5 mg	25 mg	25 mg	50 mg	50 mg	50 mg	75 mg	75 mg	100 mg	100 mg	100 mg	100 mg
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**Intravenous Fluid Rates (using 0.9% NaCl or LRS)****Doses in ml for estimated body weight in lbs**

Body Wt	10	20	30	40	50	60	70	80	90	100	110	120
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**Dehydration:** isotonic fluids, IV infusion rate per hour, ideally infuse over 6-12 hours

28 ml/hr	56 ml/hr	85 ml/hr	113 ml/hr	142 ml/hr	170 ml/hr	199 ml/hr	227 ml/hr	255 ml/hr	284 ml/hr	312 ml/hr	340 ml/hr
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**Shock:** bolus isotonic fluids IV as fast as possible, may repeat up to three times if still shocky

100	200	300	400	500	600	700	800	900	1000	1100	1200
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**Subcutaneous fluids:** administer isotonic fluids under skin on shoulders, may repeat in 6-12 hours

100	200	300	400	500	500-1000	500-1000	500-1000	1-2 L	1-2 L	1-2 L	1-2 L
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**Topical Medications**

**Animax, Panalog, etc:** for skin lesions, apply to area q 12 hrs

**Atropine ophthalmic:** for ocular pain, small strip in eye q 24 hrs (*Note: may interfere with vision*)

**Bacitracin, Neosporin, etc.:** for skin lesions, apply to area q 12 hrs

**Betadine or chlorhexidine solution:** for flushing wounds

**Eye irrigation solution:** for flushing debris from eyes and nostrils

**Genta-spray, Betagen, etc.:** for skin lesions, spray area q 12 hrs

**Otomax, Otibiotic, etc.:** for ear infections, small amount in ear canal q 12 hrs

**Proparacaine ophthalmic:** eye anesthetic, one drop in eye as needed

**Saline:** for irrigating wounds

**Silver sulfadiazine:** for burns, apply to area q 12 hrs

**Triple antibiotic:** for eye infections, small strip in eye q 8-12 hrs

**Triple antibiotic with steroid:** for eye inflammation if NO corneal ulcer, small strip in eye q 8-12 hrs

**Special note about euthanasia solution:**

Euthanasia solution contains pentobarbital. It will cause unconsciousness, followed by respiratory and cardiac arrest. It must be given IV. The solution is very sticky; you can dilute with water to facilitate injection. If the animal is suffering/painful, you can give midazolam IM to sedate prior to euthanasia. Euthanasia solution will CAUSE DEATH in ANY ANIMAL. The dose is roughly 1 cc per 10 lb, rounded up.

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Laura McLain, DVM