

Weight (Kgs)	ACEPROMAZINE	HYDROMORPHONE	KETAMINE	MIDAZOLAM	MELOXICAM	1/2 MELOXICAM	Weight (Lbs)
	mL (SQ or IM) 0.05 mg/kg	mL (SQ or IM) 0.1 mg/kg	mL (IV) <i>See below</i>	mL (IV) <i>See below</i>	mL (SQ) 0.2 mg/kg	mL (SQ) 0.1 mg/kg	
	1 mg/mL	2 mg/mL	100 mg/mL	5 mg/mL	5 mg/mL	5 mg/mL	
1.0	0.1	0.10	0.06	0.07	0.04	0.02	2.2
1.5	0.1	0.10	0.09	0.11	0.06	0.03	3.3
2.0	0.1	0.10	0.12	0.14	0.08	0.04	4.4
2.5	0.1	0.10	0.15	0.18	0.10	0.05	5.5
3.0	0.2	0.20	0.18	0.21	0.12	0.06	6.6
3.5	0.2	0.20	0.21	0.25	0.14	0.07	7.7
4.0	0.2	0.20	0.24	0.28	0.16	0.08	8.8
4.5	0.2	0.20	0.27	0.32	0.18	0.09	9.9
5.0	0.5	0.30	0.30	0.35	0.20	0.10	11.0
5.5	0.5	0.30	0.3	0.4	0.20	0.10	12.1
6.0	0.5	0.30	0.4	0.4	0.25	0.15	13.2
6.5	0.5	0.30	0.4	0.5	0.25	0.15	14.3
7.0	0.5	0.30	0.4	0.5	0.30	0.15	15.4
7.5	0.5	0.40	0.5	0.5	0.30	0.15	16.5
8.0	0.5	0.40	0.5	0.6	0.30	0.15	17.6
8.5	0.5	0.40	0.5	0.6	0.35	0.20	18.7
9.0	0.5	0.40	0.5	0.6	0.35	0.20	19.8
9.5	0.7	0.50	0.6	0.7	0.40	0.20	20.9
10.0	0.7	0.50	0.6	0.7	0.40	0.20	22.0
10.5	0.7	0.50	0.6	0.7	0.40	0.20	23.1
11.0	0.7	0.50	0.7	0.8	0.45	0.25	24.2
11.5	0.7	0.50	0.7	0.8	0.45	0.25	25.3
12.0	0.7	0.65	0.7	0.8	0.50	0.25	26.4
12.5	0.7	0.65	0.8	0.9	0.50	0.25	27.5
13.0	0.7	0.65	0.8	0.9	0.50	0.25	28.6
13.5	0.7	0.65	0.8	0.9	0.55	0.30	29.7
Weight (Kgs)	ACEPROMAZINE 10 mg/mL	HYDROMORPHONE 2 mg/mL	KETAMINE 100 mg/mL	MIDAZOLAM 5 mg/mL	MELOXICAM 5 mg/mL	1/2 MELOXICAM 5 mg/mL	Weight (Lbs)
14.0	0.1	0.75	0.8	1.0	0.55	0.30	30.8
14.5	0.1	0.75	0.9	1.0	0.60	0.30	31.9
15.0	0.1	0.75	0.9	1.1	0.60	0.30	33.0
15.5	0.1	0.75	0.9	1.1	0.60	0.30	34.1
16.0	0.1	0.75	1.0	1.1	0.65	0.35	35.2
16.5	0.1	0.85	1.0	1.2	0.65	0.35	36.3
17.0	0.1	0.85	1.0	1.2	0.69	0.35	37.4
17.5	0.1	0.85	1.1	1.2	0.70	0.35	38.5
18.0	0.1	0.85	1.1	1.3	0.70	0.35	39.6
18.5	0.1	1.00	1.0	1.5	0.75	0.40	40.7
19.0	0.1	1.00	1.0	1.5	0.75	0.40	41.8
19.5	0.1	1.00	1.1	1.6	0.80	0.40	42.9
20.0	0.1	1.00	1.1	1.6	0.80	0.40	44.0
20.5	0.1	1.00	1.1	1.6	0.80	0.40	45.1
21.0	0.1	1.10	1.2	1.7	0.85	0.45	46.2
21.5	0.1	1.10	1.2	1.7	0.85	0.45	47.3
22.0	0.1	1.10	1.2	1.8	0.90	0.45	48.4
22.5	0.1	1.10	1.2	1.8	0.90	0.45	49.5
23.0	0.1	1.10	1.2	2.1	0.90	0.45	50.6
23.5	0.1	1.20	1.2	2.1	0.95	0.50	51.7
24.0	0.1	1.20	1.2	2.2	0.95	0.50	52.8
24.5	0.1	1.20	1.2	2.2	1.00	0.50	53.9
25.0	0.1	1.20	1.3	2.3	1.00	0.50	55.0

Weight (Kgs)	ACEPROMAZINE	HYDROMORPHONE	KETAMINE	MIDAZOLAM	MELOXICAM	1/2 MELOXICAM	Weight (Lbs)
	mL (SQ or IM) 0.05 mg/kg	mL (SQ or IM) 0.1 mg/kg	mL (IV) <i>See below</i>	mL (IV) <i>See below</i>	mL (SQ) 0.2 mg/kg	mL (SQ) 0.1 mg/kg	
	10 mg/mL	2 mg/mL	100 mg/mL	5 mg/mL	5 mg/mL	5 mg/mL	
25.5	0.1	1.30	1.3	2.1	1.00	0.50	56.1
26.0	0.1	1.30	1.3	2.3	1.05	0.55	57.2
26.5	0.1	1.30	1.3	2.4	1.05	0.55	58.3
27.0	0.1	1.30	1.2	2.4	1.10	0.55	59.4
27.5	0.1	1.40	1.2	2.8	1.10	0.55	60.5
28.0	0.1	1.40	1.3	2.8	1.10	0.55	61.6
28.5	0.1	1.40	1.3	2.9	1.15	0.60	62.7
29.0	0.1	1.40	1.3	2.9	1.15	0.60	63.8
29.5	0.1	1.40	1.3	3.0	1.20	0.60	64.9
30.0	0.1	1.50	1.4	3.0	1.20	0.60	66.0
30.5	0.1	1.50	1.4	3.1	1.20	0.60	67.1
31.0	0.1	1.50	1.4	3.1	1.25	0.65	68.2
31.5	0.1	1.50	1.4	3.2	1.25	0.65	69.3
32.0	0.1	1.50	1.4	3.2	1.30	0.65	70.4
32.5	0.1	1.60	1.5	3.3	1.30	0.65	71.5
33.0	0.1	1.60	1.5	3.3	1.30	0.65	72.6
33.5	0.1	1.60	1.5	3.4	1.35	0.70	73.7
34.0	0.1	1.60	1.5	3.4	1.35	0.70	74.8
34.5	0.1	1.70	1.4	3.8	1.40	0.70	75.9
35.0	0.1	1.70	1.4	3.9	1.40	0.70	77.0
35.5	0.1	1.70	1.4	3.9	1.40	0.70	78.1
36.0	0.1	1.70	1.4	4.0	1.45	0.75	79.2
36.5	0.1	1.70	1.5	4.0	1.45	0.75	80.3
37.0	0.1	1.90	1.5	4.1	1.50	0.75	81.4
37.5	0.1	1.90	1.5	4.1	1.50	0.75	82.5
38.0	0.1	1.90	1.5	4.2	1.50	0.75	83.6
38.5	0.1	1.90	1.5	4.2	1.55	0.80	84.7
39.0	0.1	2.00	1.6	4.3	1.55	0.80	85.8
39.5	0.1	2.00	1.6	4.3	1.60	0.80	86.9
40.0	0.1	2.00	1.6	4.4	1.60	0.80	88.0
40.5	0.1	2.00	1.6	4.5	1.60	0.80	89.1
41.0	0.1	2.00	1.6	4.5	1.65	0.85	90.2
41.5	0.1	2.10	1.7	5.0	1.65	0.85	91.3
42.0	0.1	2.10	1.7	5.0	1.70	0.85	92.4
42.5	0.1	2.10	1.7	5.1	1.70	0.85	93.5
43.0	0.1	2.10	1.7	5.2	1.70	0.85	94.6
43.5	0.1	2.20	1.7	5.2	1.75	0.90	95.7
44.0	0.1	2.20	1.8	5.3	1.75	0.90	96.8
44.5	0.1	2.20	1.8	5.3	1.80	0.90	97.9
45.0	0.1	2.20	1.8	5.4	1.80	0.90	99.0
45.5	0.1	2.20	1.8	5.5	1.80	0.90	100.1
46.0	0.1	2.30	1.8	5.5	1.85	0.95	101.2
46.5	0.1	2.30	1.9	5.6	1.85	0.95	102.3
47.0	0.1	2.30	1.9	5.6	1.90	0.95	103.4
47.5	0.1	2.30	1.9	5.7	1.90	0.95	104.5
48.0	0.1	2.30	1.9	5.8	1.90	0.95	105.6
48.5	0.1	2.40	1.9	5.8	1.95	1.00	106.7
49.0	0.1	2.40	2.0	5.9	1.95	1.00	107.8
49.5	0.1	2.40	2.0	5.9	2.00	1.00	108.9
50.0	0.1	2.40	2.0	6.0	2.00	1.00	110.0

ACEPROMAZINE

Weight (Kgs)	Concentration	Route	Dosage	Weight (Lbs)
1 - 13.5	1mg/mL	SQ or IM	0.05 mg/kg	2 - 30
14 ≥	10mg/mL	SQ or IM	0.05 mg/kg	31 ≥

* For animals 14 kg or greater, acepromazine is usually capped at 1mg

HYDROMORPHONE

Weight (Kgs)	Concentration	Route	Dosage	Weight (Lbs)
All Weights	2mg/mL	SQ or IM	0.1 mg/kg	All Weights

KETAMINE

Weight (Kgs)	Concentration	Route	Dosage	Weight (Lbs)
1 - 18	100mg/mL	IV	6 mg/kg	2 - 40
18.5 - 22.5	100mg/mL	IV	5.5 mg/kg	41 - 50
23 - 27	100mg/mL	IV	5 mg/kg	51 - 60
27.5 - 34	100mg/mL	IV	4.5 mg/kg	61 - 75
34.5 - 41	100mg/mL	IV	4 mg/kg	76 - 90
41.5 ≥	100mg/mL	IV	4 mg/kg	91 ≥

MIDAZOLAM

Weight (Kgs)	Concentration	Route	Dosage	Weight (Lbs)
1 - 18	5 mg/mL	IV	0.35 mg/kg	2 - 40
18.5 - 22.5	5 mg/mL	IV	0.4 mg/kg	41 - 50
23 - 27	5 mg/mL	IV	0.45 mg/kg	51 - 60
27.5 - 34	5 mg/mL	IV	0.5 mg/kg	61 - 75
34.5 - 41	5 mg/mL	IV	0.55 mg/kg	76 - 90
41.5 ≥	5 mg/mL	IV	0.6 mg/kg	91 ≥

MELOXICAM

Age	Concentration	Route	Dosage
≤4 months	5 mg/mL	SQ	0.1 mg/kg
>4 months	5 mg/mL	SQ	0.2 mg/kg

Canine Drug Protocol

Hydromorphone is administered with Acepromazine SQ or IM as pre-med

Ketamine/Midazolam (Diazepam is interchangeable with Midazolam) is administered IV for induction

Meloxicam is administered SQ at prep

One subsequent dose of meloxicam can be given at 0.1mg/kg 24 hours post-op as needed

Certain numbers were rounded for ease of administration for dosing.

Dexamethasone can be substituted for meloxicam in brachycephalic dogs at a dose of 0.1 mg/kg (SQ or IM)