

Weight (Kgs)	Acepromazine	Hydromorphone	Ketamine	Midazolam	Meloxicam	1 / 2 Meloxicam	Oral 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	mL (PO) 0.1 mg/kg	
	1 mg/mL	2 mg/mL	100 mg/mL	5 mg/mL	5 mg/mL	5 mg/mL	1.5 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	0.10	3.3
2.0	0.1	0.10	0.12	0.14	0.08	0.04	0.15	4.4
2.5	0.1	0.10	0.15	0.18	0.10	0.05	0.15	5.5
3.0	0.2	0.20	0.18	0.21	0.12	0.06	0.20	6.6
3.5	0.2	0.20	0.21	0.25	0.14	0.07	0.20	7.7
4.0	0.2	0.20	0.24	0.28	0.16	0.08	0.25	8.8
4.5	0.2	0.20	0.27	0.32	0.18	0.09	0.30	9.9
5.0	0.5	0.30	0.30	0.35	0.20	0.10	0.30	11.0
5.5	0.5	0.30	0.3	0.4	0.20	0.10	0.35	12.1
6.0	0.5	0.30	0.4	0.4	0.25	0.15	0.40	13.2
6.5	0.5	0.30	0.4	0.5	0.25	0.15	0.40	14.3
7.0	0.5	0.30	0.4	0.5	0.30	0.15	0.45	15.4
7.5	0.5	0.40	0.5	0.5	0.30	0.15	0.50	16.5
8.0	0.5	0.40	0.5	0.6	0.30	0.15	0.50	17.6
8.5	0.5	0.40	0.5	0.6	0.35	0.20	0.55	18.7
9.0	0.5	0.40	0.5	0.6	0.35	0.20	0.60	19.8
9.5	0.7	0.50	0.6	0.7	0.40	0.20	0.60	20.9
10.0	0.7	0.50	0.6	0.7	0.40	0.20	0.65	22.0
10.5	0.7	0.50	0.6	0.7	0.40	0.20	0.70	23.1
11.0	0.7	0.50	0.7	0.8	0.45	0.25	0.70	24.2
11.5	0.7	0.50	0.7	0.8	0.45	0.25	0.75	25.3
12.0	0.7	0.65	0.7	0.8	0.50	0.25	0.80	26.4
12.5	0.7	0.65	0.8	0.9	0.50	0.25	0.80	27.5
13.0	0.7	0.65	0.8	0.9	0.50	0.25	0.85	28.6
13.5	0.7	0.65	0.8	0.9	0.55	0.30	0.90	29.7
Weight (Kgs)	Acepromazine	Hydromorphone	Ketamine	Midazolam	Meloxicam	1 / 2 Meloxicam	Oral Meloxicam	Weight (lbs)
	10 mg/mL	2 mg/mL	100 mg/mL	5 mg/mL	5 mg/mL	5 mg/mL	1.5 mg/mL	
14.0	0.1	0.75	0.8	1.0	0.55	0.30	0.90	30.8
14.5	0.1	0.75	0.9	1.0	0.60	0.30	0.95	31.9
15.0	0.1	0.75	0.9	1.1	0.60	0.30	1.00	33.0
15.5	0.1	0.75	0.9	1.1	0.60	0.30	1.00	34.1
16.0	0.1	0.75	1.0	1.1	0.65	0.35	1.00	35.2
16.5	0.1	0.85	1.0	1.2	0.65	0.35	1.10	36.3
17.0	0.1	0.85	1.0	1.2	0.70	0.35	1.10	37.4
17.5	0.1	0.85	1.1	1.2	0.70	0.35	1.20	38.5
18.0	0.1	0.85	1.1	1.3	0.70	0.35	1.20	39.6
18.5	0.1	1.00	1.0	1.5	0.75	0.40	1.20	40.7
19.0	0.1	1.00	1.0	1.5	0.75	0.40	1.30	41.8
19.5	0.1	1.00	1.1	1.6	0.80	0.40	1.30	42.9
20.0	0.1	1.00	1.1	1.6	0.80	0.40	1.30	44.0
20.5	0.1	1.00	1.1	1.6	0.80	0.40	1.40	45.1
21.0	0.1	1.10	1.2	1.7	0.85	0.45	1.40	46.2
21.5	0.1	1.10	1.2	1.7	0.85	0.45	1.40	47.3
22.0	0.1	1.10	1.2	1.8	0.90	0.45	1.50	48.4
22.5	0.1	1.10	1.2	1.8	0.90	0.45	1.50	49.5
23.0	0.1	1.10	1.2	2.1	0.90	0.45	1.50	50.6
23.5	0.1	1.20	1.2	2.1	0.95	0.50	1.60	51.7
24.0	0.1	1.20	1.2	2.2	0.95	0.50	1.60	52.8
24.5	0.1	1.20	1.2	2.2	1.00	0.50	1.60	53.9
25.0	0.1	1.20	1.3	2.3	1.00	0.50	1.70	55.0

	Acepromazine	Hydromorphone	Ketamine	Midazolam	Meloxicam	1/2 Meloxicam	Oral Meloxicam	
Weight (Kgs)	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	mL (PO) 0.1 mg/kg	Weight (lbs)
	10 mg/mL	2 mg/mL	100 mg/mL	5 mg/mL	5 mg/mL	5 mg/mL	1.5 mg/mL	
25.5	0.1	1.30	1.3	2.3	1.00	0.50	1.70	56.1
26.0	0.1	1.30	1.3	2.3	1.05	0.55	1.70	57.2
26.5	0.1	1.30	1.3	2.4	1.05	0.55	1.80	58.3
27.0	0.1	1.30	1.2	2.4	1.10	0.55	1.80	59.4
27.5	0.1	1.40	1.2	2.8	1.10	0.55	1.80	60.5
28.0	0.1	1.40	1.3	2.8	1.10	0.55	1.90	61.6
28.5	0.1	1.40	1.3	2.9	1.15	0.60	1.90	62.7
29.0	0.1	1.40	1.3	2.9	1.15	0.60	1.90	63.8
29.5	0.1	1.40	1.3	3.0	1.20	0.60	2.00	64.9
30.0	0.1	1.50	1.4	3.0	1.20	0.60	2.00	66.0
30.5	0.1	1.50	1.4	3.1	1.20	0.60	2.00	67.1
31.0	0.1	1.50	1.4	3.1	1.25	0.65	2.10	68.2
31.5	0.1	1.50	1.4	3.2	1.25	0.65	2.10	69.3
32.0	0.1	1.50	1.4	3.2	1.30	0.65	2.10	70.4
32.5	0.1	1.60	1.5	3.3	1.30	0.65	2.20	71.5
33.0	0.1	1.60	1.5	3.3	1.30	0.65	2.20	72.6
33.5	0.1	1.60	1.5	3.4	1.35	0.70	2.20	73.7
34.0	0.1	1.60	1.5	3.4	1.35	0.70	2.30	74.8
34.5	0.1	1.70	1.4	3.8	1.40	0.70	2.30	75.9
35.0	0.1	1.70	1.4	3.9	1.40	0.70	2.30	77.0
35.5	0.1	1.70	1.4	3.9	1.40	0.70	2.40	78.1
36.0	0.1	1.70	1.4	4.0	1.45	0.75	2.40	79.2
36.5	0.1	1.70	1.5	4.0	1.45	0.75	2.40	80.3
37.0	0.1	1.90	1.5	4.1	1.50	0.75	2.50	81.4
37.5	0.1	1.90	1.5	4.1	1.50	0.75	2.50	82.5
38.0	0.1	1.90	1.5	4.2	1.50	0.75	2.50	83.6
38.5	0.1	1.90	1.5	4.2	1.55	0.80	2.60	84.7
39.0	0.1	2.00	1.6	4.3	1.55	0.80	2.60	85.8
39.5	0.1	2.00	1.6	4.3	1.60	0.80	2.60	86.9
40.0	0.1	2.00	1.6	4.4	1.60	0.80	2.70	88.0
40.5	0.1	2.00	1.6	4.5	1.60	0.80	2.70	89.1
41.0	0.1	2.00	1.6	4.5	1.65	0.85	2.70	90.2
41.5	0.1	2.10	1.7	5.0	1.65	0.85	2.80	91.3
42.0	0.1	2.10	1.7	5.0	1.70	0.85	2.80	92.4
42.5	0.1	2.10	1.7	5.1	1.70	0.85	2.80	93.5
43.0	0.1	2.10	1.7	5.2	1.70	0.85	2.90	94.6
43.5	0.1	2.20	1.7	5.2	1.75	0.90	2.90	95.7
44.0	0.1	2.20	1.8	5.3	1.75	0.90	2.90	96.8
44.5	0.1	2.20	1.8	5.3	1.80	0.90	3.00	97.9
45.0	0.1	2.20	1.8	5.4	1.80	0.90	3.00	99.0
45.5	0.1	2.20	1.8	5.5	1.80	0.90	3.00	100.1
46.0	0.1	2.30	1.8	5.5	1.85	0.95	3.10	101.2
46.5	0.1	2.30	1.9	5.6	1.85	0.95	3.10	102.3
47.0	0.1	2.30	1.9	5.6	1.90	0.95	3.10	103.4
47.5	0.1	2.30	1.9	5.7	1.90	0.95	3.20	104.5
48.0	0.1	2.30	1.9	5.8	1.90	0.95	3.20	105.6
48.5	0.1	2.40	1.9	5.8	1.95	1.00	3.20	106.7
49.0	0.1	2.40	2.0	5.9	1.95	1.00	3.30	107.8
49.5	0.1	2.40	2.0	5.9	2.00	1.00	3.30	108.9
50.0	0.1	2.40	2.0	6.0	2.00	1.00	3.30	110.0

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

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

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

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

Midazolam				
Wgt (Kgs)	Concentration	Route	Dosage	Wgt (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	0.1mg/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 postoperatively, 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 (IV route preferred; IM route acceptable alternative).	