

| Weight (Lbs) | ACEPROMAZINE | HYDROMORPHONE | KETAMINE | MIDAZOLAM/DIAZEPAM | 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) 0.1 mg/kg | |
| | 1 mg/mL | 2 mg/mL | 100 mg/mL | 5 mg/mL | 5 mg/mL | |
| 2 | 0.10 | 0.10 | 0.05 | 0.05 | 0.02 | 0.9 |
| 3 | 0.10 | 0.10 | 0.08 | 0.08 | 0.03 | 1.4 |
| 4 | 0.10 | 0.10 | 0.11 | 0.11 | 0.04 | 1.8 |
| 5 | 0.10 | 0.10 | 0.14 | 0.14 | 0.05 | 2.3 |
| 6 | 0.20 | 0.20 | 0.16 | 0.16 | 0.05 | 2.7 |
| 7 | 0.20 | 0.20 | 0.19 | 0.19 | 0.06 | 3.2 |
| 8 | 0.20 | 0.20 | 0.22 | 0.22 | 0.07 | 3.6 |
| 9 | 0.20 | 0.20 | 0.24 | 0.24 | 0.08 | 4.1 |
| 10 | 0.20 | 0.20 | 0.27 | 0.27 | 0.09 | 4.5 |
| 11 | 0.50 | 0.30 | 0.3 | 0.3 | 0.10 | 5.0 |
| 12 | 0.50 | 0.30 | 0.3 | 0.3 | 0.12 | 5.5 |
| 13 | 0.50 | 0.30 | 0.4 | 0.4 | 0.12 | 5.9 |
| 14 | 0.50 | 0.30 | 0.4 | 0.4 | 0.13 | 6.4 |
| 15 | 0.50 | 0.30 | 0.4 | 0.4 | 0.14 | 6.8 |
| 16 | 0.50 | 0.40 | 0.5 | 0.5 | 0.14 | 7.3 |
| 17 | 0.50 | 0.40 | 0.5 | 0.5 | 0.15 | 7.7 |
| 18 | 0.50 | 0.40 | 0.5 | 0.5 | 0.16 | 8.2 |
| 19 | 0.50 | 0.40 | 0.5 | 0.5 | 0.17 | 8.6 |
| 20 | 0.50 | 0.40 | 0.6 | 0.6 | 0.18 | 9.1 |
| 21 | 0.70 | 0.50 | 0.6 | 0.6 | 0.19 | 9.5 |
| 22 | 0.70 | 0.50 | 0.6 | 0.6 | 0.20 | 10.0 |
| 23 | 0.70 | 0.50 | 0.6 | 0.6 | 0.20 | 10.5 |
| 24 | 0.70 | 0.50 | 0.7 | 0.7 | 0.20 | 10.9 |
| 25 | 0.70 | 0.50 | 0.7 | 0.7 | 0.20 | 11.4 |
| 26 | 0.70 | 0.65 | 0.7 | 0.7 | 0.25 | 11.8 |
| 27 | 0.70 | 0.65 | 0.8 | 0.8 | 0.25 | 12.3 |
| 28 | 0.70 | 0.65 | 0.8 | 0.8 | 0.25 | 12.7 |
| 29 | 0.70 | 0.65 | 0.8 | 0.8 | 0.25 | 13.2 |
| 30 | 0.70 | 0.65 | 0.8 | 0.8 | 0.30 | 13.6 |
| Weight (Lbs) | ACEPROMAZINE | HYDROMORPHONE | KETAMINE | MIDAZOLAM/DIAZEPAM | MELOXICAM | Weight (Kgs) |
| | 10 mg/mL | 2 mg/mL | 100 mg/mL | 5 mg/mL | 5 mg/mL | |
| 31 | 0.10 | 0.75 | 0.90 | 0.90 | 0.30 | 14.1 |
| 32 | 0.10 | 0.75 | 0.90 | 0.90 | 0.30 | 14.5 |
| 33 | 0.10 | 0.75 | 0.90 | 0.90 | 0.30 | 15.0 |
| 34 | 0.10 | 0.75 | 0.90 | 0.90 | 0.30 | 15.5 |
| 35 | 0.10 | 0.75 | 1.00 | 1.00 | 0.30 | 15.9 |
| 36 | 0.10 | 0.85 | 1.00 | 1.00 | 0.30 | 16.4 |
| 37 | 0.10 | 0.85 | 1.00 | 1.00 | 0.30 | 16.8 |
| 38 | 0.10 | 0.85 | 1.00 | 1.00 | 0.35 | 17.3 |
| 39 | 0.10 | 0.85 | 1.00 | 1.20 | 0.35 | 17.7 |
| 40 | 0.10 | 0.85 | 1.10 | 1.20 | 0.35 | 18.2 |
| 41 | 0.10 | 1.00 | 1.10 | 1.30 | 0.40 | 18.6 |
| 42 | 0.10 | 1.00 | 1.10 | 1.30 | 0.40 | 19.1 |
| 43 | 0.10 | 1.00 | 1.10 | 1.40 | 0.40 | 19.5 |
| 44 | 0.10 | 1.00 | 1.10 | 1.40 | 0.40 | 20.0 |
| 45 | 0.10 | 1.00 | 1.10 | 1.50 | 0.40 | 20.5 |
| 46 | 0.10 | 1.10 | 1.10 | 1.50 | 0.40 | 20.9 |
| 47 | 0.10 | 1.10 | 1.20 | 1.60 | 0.45 | 21.4 |
| 48 | 0.10 | 1.10 | 1.20 | 1.60 | 0.45 | 21.8 |
| 49 | 0.10 | 1.10 | 1.20 | 1.70 | 0.45 | 22.3 |
| 50 | 0.10 | 1.10 | 1.20 | 1.80 | 0.45 | 22.7 |
| 51 | 0.10 | 1.20 | 1.20 | 1.80 | 0.45 | 23.2 |
| 52 | 0.10 | 1.20 | 1.20 | 1.90 | 0.50 | 23.6 |
| 53 | 0.10 | 1.20 | 1.30 | 1.90 | 0.50 | 24.1 |
| 54 | 0.10 | 1.20 | 1.30 | 2.00 | 0.50 | 24.5 |
| 55 | 0.10 | 1.20 | 1.30 | 2.00 | 0.50 | 25.0 |

| Weight (Lbs) | ACEPROMAZINE | HYDROMORPHONE | KETAMINE | MIDAZOLAM/DIAZEPAM | MELOXICAM | Weight (Kgs) |
|--------------|-----------------------------|----------------------------|----------------------|----------------------|----------------------|--------------|
| | mL (SQ or IM) 0.05 mg/kg | mL (SQ or IM) 0.1 mg/kg | mL (IV) See below | mL (IV) See below | mL (SQ) 0.1 mg/kg | |
| | 10 mg/mL | 2 mg/mL | 100 mg/mL | 5 mg/mL | 5 mg/mL | |
| 56 | 0.10 | 1.30 | 1.30 | 2.10 | 0.50 | 25.5 |
| 57 | 0.10 | 1.30 | 1.30 | 2.10 | 0.50 | 25.9 |
| 58 | 0.10 | 1.30 | 1.30 | 2.20 | 0.50 | 26.4 |
| 59 | 0.10 | 1.30 | 1.40 | 2.30 | 0.55 | 26.8 |
| 60 | 0.10 | 1.30 | 1.40 | 2.40 | 0.55 | 27.3 |
| 61 | 0.10 | 1.40 | 1.40 | 2.40 | 0.55 | 27.7 |
| 62 | 0.10 | 1.40 | 1.40 | 2.50 | 0.55 | 28.2 |
| 63 | 0.10 | 1.40 | 1.40 | 2.50 | 0.55 | 28.6 |
| 64 | 0.10 | 1.40 | 1.50 | 2.60 | 0.60 | 29.1 |
| 65 | 0.10 | 1.40 | 1.50 | 2.60 | 0.60 | 29.5 |
| 66 | 0.10 | 1.50 | 1.50 | 2.70 | 0.60 | 30.0 |
| 67 | 0.10 | 1.50 | 1.50 | 2.70 | 0.60 | 30.5 |
| 68 | 0.10 | 1.50 | 1.50 | 2.80 | 0.60 | 30.9 |
| 69 | 0.10 | 1.50 | 1.50 | 2.80 | 0.60 | 31.4 |
| 70 | 0.10 | 1.50 | 1.60 | 2.90 | 0.65 | 31.8 |
| 71 | 0.10 | 1.60 | 1.60 | 3.00 | 0.65 | 32.3 |
| 72 | 0.10 | 1.60 | 1.60 | 3.10 | 0.65 | 32.7 |
| 73 | 0.10 | 1.60 | 1.70 | 3.20 | 0.65 | 33.2 |
| 74 | 0.10 | 1.60 | 1.70 | 3.30 | 0.70 | 33.6 |
| 75 | 0.10 | 1.60 | 1.70 | 3.40 | 0.70 | 34.1 |
| 76 | 0.10 | 1.70 | 1.70 | 3.40 | 0.70 | 34.5 |
| 77 | 0.10 | 1.70 | 1.70 | 3.40 | 0.70 | 35.0 |
| 78 | 0.10 | 1.70 | 1.70 | 3.50 | 0.70 | 35.5 |
| 79 | 0.10 | 1.70 | 1.70 | 3.50 | 0.70 | 35.9 |
| 80 | 0.10 | 1.70 | 1.70 | 3.60 | 0.70 | 36.4 |
| 81 | 0.10 | 1.90 | 1.70 | 3.60 | 0.75 | 36.8 |
| 82 | 0.10 | 1.90 | 1.70 | 3.70 | 0.75 | 37.3 |
| 83 | 0.10 | 1.90 | 1.80 | 3.70 | 0.75 | 37.7 |
| 84 | 0.10 | 1.90 | 1.80 | 3.80 | 0.75 | 38.2 |
| 85 | 0.10 | 1.90 | 1.80 | 3.80 | 0.80 | 38.6 |
| 86 | 0.10 | 2.00 | 1.80 | 3.80 | 0.80 | 39.1 |
| 87 | 0.10 | 2.00 | 1.80 | 3.90 | 0.80 | 39.5 |
| 88 | 0.10 | 2.00 | 1.80 | 3.90 | 0.80 | 40.0 |
| 89 | 0.10 | 2.00 | 1.80 | 3.90 | 0.80 | 40.5 |
| 90 | 0.10 | 2.00 | 1.80 | 4.00 | 0.80 | 40.9 |
| 91 | 0.10 | 2.10 | 1.80 | 4.00 | 0.80 | 41.4 |
| 92 | 0.10 | 2.10 | 1.80 | 4.00 | 0.85 | 41.8 |
| 93 | 0.10 | 2.10 | 1.90 | 4.00 | 0.85 | 42.3 |
| 94 | 0.10 | 2.10 | 1.90 | 4.50 | 0.85 | 42.7 |
| 95 | 0.10 | 2.10 | 1.90 | 4.50 | 0.85 | 43.2 |
| 96 | 0.10 | 2.20 | 1.90 | 4.50 | 0.90 | 43.6 |
| 97 | 0.10 | 2.20 | 1.90 | 4.50 | 0.90 | 44.1 |
| 98 | 0.10 | 2.20 | 1.90 | 5.00 | 0.90 | 44.5 |
| 99 | 0.10 | 2.20 | 1.90 | 5.00 | 0.90 | 45.0 |
| 100 | 0.10 | 2.20 | 1.90 | 5.00 | 0.90 | 45.5 |
| 101 | 0.10 | 2.30 | 1.90 | 5.00 | 0.90 | 45.9 |
| 102 | 0.10 | 2.30 | 2.00 | 5.50 | 0.90 | 46.4 |
| 103 | 0.10 | 2.30 | 2.00 | 5.50 | 0.95 | 46.8 |
| 104 | 0.10 | 2.30 | 2.00 | 5.50 | 0.95 | 47.3 |
| 105 | 0.10 | 2.30 | 2.00 | 5.50 | 0.95 | 47.7 |
| 106 | 0.10 | 2.40 | 2.00 | 5.50 | 1.00 | 48.2 |
| 107 | 0.10 | 2.40 | 2.00 | 6.00 | 1.00 | 48.6 |
| 108 | 0.10 | 2.40 | 2.00 | 6.00 | 1.00 | 49.1 |
| 109 | 0.10 | 2.40 | 2.00 | 6.00 | 1.00 | 49.5 |
| 110 | 0.10 | 2.40 | 2.00 | 6.00 | 1.00 | 50.0 |

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

* For animals 31 lbs (14 kg) or greater, acepromazine is usually capped at 1mg

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

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

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

| MELOXICAM | | | | |
|--------------|---------------|-------|-----------|--------------|
| Weight (Lbs) | Concentration | Route | Dosage | Weight (Kgs) |
| All Weights | 5 mg/mL | SQ | 0.1 mg/kg | All Weights |

| Canine Drug Protocol | | | | |
|--|--|--|--|--|
| Hydromorphone is administered with Acepromazine SQ or IM as pre-med | | | | |
| Ketamine/Midazolam (or Diazepam) is administered IV to induce | | | | |
| Meloxicam is administered SQ at prep | | | | |
| One subsequent dose of meloxicam can be given at 0.1mg/kg 24 hours post-op as needed or for training animals | | | | |