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| DRUGS | XYLAZINE  (Sedative) | KETAMINE | LIDOCAINE | TOLAZOLINE  (Reversal agent) |
| FORMULA | Volume =  Dosage × Body Weight͟͟  Concentration | | | Volume =  2 × Xylazine dose |
| DOSAGE  CONCENTRATION | 0.025mg/kg  2% = 20 mg/ml | 0.05 mg/kg  10% = 100mg/ml | 0.2mg/kg  2% = 20 mg/ml |  |
| CALCULATIONS | Volume  0.025 mg/kg × 500 kg =  20 mg/ml  0.625 ≈ 0.63 mls | Volume  0.05 mg/kg × 500 kg =  100 mg/ml  0.25 mls | Volume  0.2 mg/kg × 500 kg =  20 mg/ml  5 mls | Volume  2 × 0.63 mls = 1.26 mls |
| DILUTION |  |  | To make a 1% solution with saline: Add the same amount of saline as the dose to half the concentration.  Volume : 5 mls xylazine + 5 mls saline = 10 mls |  |