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| DRUGS | XYLAZINE(Sedative) | KETAMINE | LIDOCAINE | TOLAZOLINE(Reversal agent) |
| FORMULA | Volume =Dosage × Body Weight͟͟Concentration | Volume = 2 × Xylazine dose |
| DOSAGECONCENTRATION | 0.025mg/kg2% = 20 mg/ml | 0.05 mg/kg10% = 100mg/ml | 0.2mg/kg2% = 20 mg/ml |  |
| CALCULATIONS | Volume 0.025 mg/kg × 500 kg =20 mg/ml0.625 ≈ 0.63 mls | Volume 0.05 mg/kg × 500 kg =100 mg/ml0.25 mls | Volume 0.2 mg/kg × 500 kg =20 mg/ml5 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  |  |