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| Xylazine | Ketamine | Tolazoline | Lidocaine |
| Withdrawal time = 14days in meat  48hrs in milk  Bovine dose is 1/10 of equine dose  1-2mg/kg Small animals and eqine.  0.1mg/kg in ruminants.  Routes of administration:  IM, IV, SC, Epidural  Alpha 2 agonist – Muscle relaxation, analgesia, sedation. | Dosage = 22 to 33mg/kg produce anesthesia that is suitable for diagnostic or minor surgical procedures that do not require skeletal muscle relaxation.  A Schedule III Drug | Not for use in food producing animals.  Dose: 2x(xylazine dose)  Eg. 2x(0.1mg/kg)  Non-selective alpha adrenergic antagonist. | Withdrawal time = 1day in meat  24hrs in milk  Toxic dose = 10mg/kg  Anaesthetic & IVRA dose =  5mg/kg  Epidural dose = 0.2mg/kg  Class Ib antiarrhythmic |