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| --- | --- | --- | --- | --- | --- | --- |
| Drug | Weight of patient (kgs)  adult female jersey cow | Dose Rate (mg/kg) | Concentration (mg/ml) | Volume (mls) | Indications for use | Withdrawal Time |
| Lidocaine (Local anaesthetic) | 400 | 1.0 | 20 | 5 (at each site) | Induce loss of sensation | Meat – 1 day  Milk – 24 hrs |
| Xylazine (Sedative/Anaesthetic Induction) | 400 | 0.05 | 20 | 1 | Induction of general loss of consciousness and sensation | Meat – 14 days  Milk - 48 hrs |
| Xylazine (Sedative/Anaesthetic Maintenance) | 400 | 1 | Maintenance of general loss of consciousness and sensation |
| Ketamine (Sedative/Analgesic Induction) | 400 | 0.5 | 100 | 10 | Induction of general loss of sensation | Meat – 2 days  Milk – 3 days |
| Ketamine (Sedative/Analgesic Maintenance) | 400 | 10 | Maintenance of general loss of sensation |
| Flunixin (Analgesic Pre-Op) | 400 | 1.1 | 50 | 8.8 | Pre-emptive analgesia | Meat - 4 days |
| Flunixin (Analgesic Post-Op Care) | 400 | 2.2 | 50 | 17.6 | Post-op analgesia for 3 days |
| Penstrep (Antibiotic) | 400 | 20,000 IU/kg | 200,000 IU/kg | 40 | Antibiotic | 30 days |
| Ivermectin (Antiparasitic) | 400 | 0.2 | 10 | 8 | Antiparasitic | 28 days |
| Epinephrine | 400 | 0.02 | 1 | 8 | Anaphylactic reactions | No WDT |
| Atropine | 400 | 0.04 | 0.54 | 29.6 | If bradycardia, <30 bpm, occurs | Meat - 14 days  Milk – 3 days |
| Tolazoline | 400 | 0.1 | 100 | 0.4 | Xylazine reversal | No WDT |