**Drug Table**

This lab session would require sedation as well as anaesthesia so the following drugs would be recommended.

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| --- | --- | --- | --- |
| Drugs  | Dose/concertation  | Withdrawal time  | Route& comments  |
| Lidocaine | Toxic dose: 2% of 10 mg/kgRecommended dose for cow: (half toxic dose)2% of 5 mg/kg | 4 days for meat3 days for milk | IM/SC |
| Xylazine  | RecommendedInitial dose 2% of 0.05 mg/kg Recommended Subsequent dose for cow: (half initial dose) 2% of 0.025 | 4 days for meat 1 days for milk | IM |
| Ketamine | Recommended Initial dose 10% of 0.5 mg/kgRecommended Subsequent dose for cow: (half initial dose)10% of 0.25 mg/kg | 3 days for meat3 days for milk | IM |
| NSAID |  |
| Flunixin | 5% of 1.1 mg/kg | 4 days for meat1.5 days for milk | IV, must be given first due to its technicality. |
| **Antibiotic** |  |
| Penicillin Streptomycin | 200,000 IU/ml of 10,000 IU | 30 days for meat10 days for milk | IM |
| **Reversal Drugs** |  |
| Atropine | 0.54 mg/ml of 0.04mg/kg |  | IV/IM Used for Bradycardia |
| Epinephrine | 1 % of 0.02 mg/kg |  | IMUsed for anaphylactic shock |
| Tolazoline | 10 % of Recommended 2-4 times xylazine dose (0.05 mg/kg – 0.1 mg/kg) |  | IV slowly Used to reverse xylazine. If signs of xylazine toxicity (bradycardia, hypotension) are seen administer the lower limit, 0.125ml. If signs continue after some time add 0.125 ml or less to reach the upper limit. BUT do not cross the upper limit. |