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| DRUG | INDICATIONS | DOSE | ADVERSE REACTIONS | WITHDRAWAL TIME |
| LIDOCAINE | The use of lidocaine in veterinary medicine is extra label. Provides 100% local nerve block.  Particular care should be taken in young calves not to exceed the toxic dose of lidocaine (10 mg/kg). Dilution of 2% lidocaine in saline can facilitate ease of distribution when restricted amounts are necessary. | 1-2MG/KG | CNS signs, cardiac collapse, injection site necrosis | Meat/milk – 24 hours |
| PENSTREP | Effective against gram +ve and gram -ve, aerobic and anaerobic organisms | 20,000IU/kg IM | Vestibulotoxic, nephrotoxic, neuromuscular blockade | Meat – 30 days  Milk – 4 days |
| TETANUS ANTITOXIN | Used especially in goats to neutralize tetanus toxins.  Prevention of tetanus in wound management and treatment of clinical tetanus | 1-2MG/KG  1500 units SC/IM for prevention | Serum sickness | Meat/Milk – 24 hours |

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| DRUG | INDICATIONS | DOSE | ADVERSE REACTIONS | WITHDRAWAL TIME |
| KETAMINE | Sedation | 0.05mg/kg | Hypertension, respiratory depression, hyperthermia. | Meat – 7 days  Milk – 3 days |
| XYLAZINE | Standing sedation | 0.025mg/kg IV/IM | Bradycardia, decreased BP, decreased GI motility, increased intracranial pressure. | Meat – 10 days  Milk – 3 days |
| TOLAZONINE | Xylazine reversal | 0.1mg/kg IV | Tachycardia, peripheral vasodilation, hyperalgesia | Meat – 8 days  Milk – 2 days |
| EPINEPHRINE | Anaphylaxis | 0.02mg/kg IM | Ventricular arrythmias, vasoconstriction, hypertension | Meat – 24 hours  Milk – 24 hours |
| ATROPINE | Prevention of sinus bradycardia | Calves - 1.5-3mg/50kg  Adult – 3-6mg/100kg | Constipation, tachycardia, urine retention. | Meat- 14 days  Milk – 3 days |

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