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| Drug | Tolazoline HCl |
| Uses | * Used to reverse effects associated with xylazine. * Can be used to revers analgesic effects of alpha- agonists. * Also used to reverse sedation and cardiovascular effects of xylazine in ruminants. |
| Adverse Effects | * In cattle 1.5mg/kg IV can cause coughing, increased frequency of defecation and mild increases in breathing effort. * At higher doses (2-10mg/kg IV), bright red conjunctival mucous membranes, coughing, nasal discharge, salivation, labored breathing, CNS depression, signs of abdominal pain, straining, head pressing, restlessness and severe diarrhea can be observed. * Rapid IV injection can cause significant cardiac stimulation, tachycardia, increased cardiac output vasodilation and gastrointestinal distress. |
| Contraindications/ Precautions/ Warnings/ Drug Interactions | * Hypersensitivity reactions. |
| Withdrawal Period | * None for food animals |
| Dosage | * 2x xylazine i.e. 0.1mg/kg |
| Concentration | * 100mg/ml |

Emergency Drug: Tolazoline HCl

**Drug Dosage calculation for Each Animal:**

Dose x Weight/ Concentration of Drug

**Scenario 1:**

2 week old Saanen 5kg

0.1mg/kg X 5kg / 100mg/ml

=0.005ml

**Scenario 2:**

6 month old calf 60kg

0.1mg/kg X 60kg / 100mg/ml

= 0.06ml

**Scenario 3:**

2 year old breeding ram 72kg:

0.1mg/kg X 72kg / 100mg/ml

= 0.072mls