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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.
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| 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.
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| Contraindications/ Precautions/ Warnings/ Drug Interactions | * Hypersensitivity reactions.
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| Withdrawal Period | * None for food animals
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| Dosage | * 2x xylazine i.e. 0.1mg/kg
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| Concentration | * 100mg/ml
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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