**EMERGENCY DRUGS**

Weight of animal: 42.5kg

VOLUME (ML) =

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| --- | --- | --- | --- | --- | --- |
| **Drug** | **Concentration** | **Dose Rate and Route** | **Calculations** | **Withdrawal time** | **Indications** |
| Tolazoline | 100mg/ml | 2 x xylazine dose:  0.05mg/kg | Amount given: was not required (0ml) |  | Reversal of Xylazine (Blockage of alpha 2-adrenergic receptor sites) |
| Atropine | 0.54mg/ml | 0.04mg/kg | Amount given: was not required (0ml) | Meat: 28 days  Milk: 6 days | Emergency drug to prevent or reduce respiratory tract secretions, treatment of sinus bradycardia and incomplete AV block which can arise due to anaesthesia drugs. This is used only if bradycardia is below 30bpm |
| Epinephrine | 1mg/ml | 0.02mg/kg | Amount given: was not required (0ml) |  | Alpha and Beta adrenergic agonists. Used if severe anaphylactic reactions occur |
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**CALCULATION OF EMERGENCY FLUID RATE IF REQUIRED:**

In cases where the animal may have a reaction to the anaesthetic drugs administered, the drip rate for the animal must be calculated in order to quickly stabilize the animal.

Calculation of drip rate per second:

Drip rate = 10ml/min

Drip factor = 20drops/ml

Weight of animal = 42.5kg, therefore drip rate for animal = 42.5 x 10 = 425ml/min

ml/min

To convert to per sec = 141.67/60 = 2.36drips/sec

Therefore if the animal has to be administered IV fluids, the drip rate would be 2 drips/sec