

Drugs for Timothy

Drugs	Dose/ Concentration	Calculations	Volume per site	Withdrawal Time	Route &Comments
Local Anaesthetic		<i>Weight x Dose</i> <i>Concentration</i>			
Lidocaine	Toxic dose: 2% of 10 mg/kg Calf dose: 2% of 2 mg/kg	Toxic Dose $\frac{60 \times 10}{20} = 30 \text{ ml}$ Maximum Vol can be administered: $\frac{60 \times 2}{20} = 6\text{ml}$	3 ml	4 days for meat 3 days for milk	IM/SC Note: 6ml divided by 2. So 3ml will be given at the two sites.
NSAID					
Flunixin meglumine	1.1mg/kg	$\frac{60 \times 1.1}{50} = 1.3 \text{ ml}$	1.3 ml	4 days for meat 1.5 days for milk	IV, must be given first due to its technicality.

Reversal Drugs

Drugs	Dose/Concentration	Calculations	Volume	Route & Comments
Atropine	0.54 mg/ml of 0.04 mg/kg	$\frac{0.04 \times 60}{0.54} = 4.4 \text{ ml}$	4.4ml	IV/IM For Bradycardia
Epinephrine	1 % of 0.02 mg/kg	$\frac{0.02 \times 60}{1} = 1.2 \text{ ml}$	1.2 ml	IM For Anaphylactic shock
Tolazoline	10 % of Recommended 2-4 times xylazine dose (0.05 mg/kg – 0.1 mg/kg)	$\frac{0.05 \times 60}{100} = 0.03 \text{ ml}$ $\frac{0.1 \times 60}{100} = 0.06 \text{ ml}$	0.03 ml Lower limit 0.06 ml Upper limit	IV slowly To reverse xylazine Note: Start with the lower limit and only if signs of xylazine toxicity (bradycardia, hypotension) are still severe after some time add 0.03 ml or less to reach the upper limit.