DRUG TABLE FOR LARGE ANIMAL SURGERY

Sheep/Goat weight estimated to be 45 kgs

Drug	Use	Concentration (mg/ml)	Dose (mg/kg)	Toxic dose	Injection site	Calculation (dose (mg/kg) x weight (kg)) ÷ conc. (mg/ml)	Withdrawal Time
Xylazine	Sedative	20mg/ml	0.05mg/kg	-	IM	(0.05mg/kg x 45 kg) ÷ 20mg/ml = 0.12 mls	Slaughter: 5 days Milk – 4 days
Ketamine	Sedative	100mg/ml	0.1 mg/kg	-	IM/IV	(0.1 mg/kg x 45 kg) ÷ 100mg/ml =0.045 ml	Slaughter- 3 days Milk- 48 hours
Lidocaine	Local anaesthetic	20mg/ml	5 mg/kg	10mg/kg	IM	(5 mg/kg x 45kg) ÷ 20mg/ml = 11.3ml	Slaughter – 5 days Milk – 96 hours
Flunixin meglumine	Analgesia	50mg/ml	1.1mg/kg	-	IV	(1.1mg/kg x 45kg) ÷ 50mg/ml = 1.0mls	Slaughter 7 days Milk- 36 hours
Pen Strep	Antibiotic	200,000UI/mL	20,000UI/Kg	-	SC IM	(20,000UI/kg x 45kg) ÷ 200,000UI/mL = 4.5 mls	Slaughter- 30 days Milk- 10 days
Tetanus Antitoxin	Reduce risk of tetany in small ruminants	1500UI/5ml	1 single dose (5mls)	-	SQ	1 dose	Slaughter- 21 days

EMERGENCY DRUGS					
Drug	**Indication**	**Concentration**	**Dose (mg/kg)**	**Route of Administration**	**Calculations** (dose (mg/kg) x weight (kg)÷ conc. (mg/ml)
Tolazoline	Xylazine reversal drug	100 mg/ml	0.1mg/kg	IV	2-4 times the Xylazine dose (0.1 mg/kg x 45kg) ÷ 100mg/ml = 0.045mls
Epinephrine	Anaphylaxis	1mg/ml	0.02 mg/kg	IV	(0.02 mg/kg x 45 kg) ÷ 1mg/ml = 1.0mls
Atropine	Bradycardia	1% or 10mg/ml	0.2mg/ml	IM SC	(0.2mg/kg x 45kg) ÷ 10mg/ml = 1.0mls