

Drug Chart for Castration Procedure

Drug	Concentration	Dose	Dosage (example calculation Weight of animal 200kg)	Indication	Withdrawal time
Lidocaine	20mg/ ml (2%)	2mg/kg	$2 \times 200 / 20 =$ $20 \text{ mls} / 4 =$ 5 mls per site	100% nerve block. Local anesthetic used for spermatic cord & testicles	Meat or milk - 24 hrs
Xylazine	20mg/ ml (2%)	0.05mg/kg	$0.05 \times 200 / 20 =$ 0.5 mls	Preanesthetic medication given IV or IM	Meat - 14 d Milk - 48 hrs
Ketamine	100mg/mg (10%)	1mg/kg	$1 \times 200 / 100 =$ 2mls	Sedation given IV or IM	Meat - 3d Milk - 24 hrs
Tolazoline	100mg/ml	0.1mg/kg	$0.1 \times 200 / 100 =$ 0.2ml	Reversal agent for Xylazine	-
Penstrep	200,000IU	20,000IU	$2 \times 200 / 20 =$ 5mls	Antibiotic given IM to prevent infection	30 d
Flunixin	50mg/ml	1.1mg/kg	$1.1 \times 200 / 50 =$ 4.4mls	NSAID	Meat - 4 d Milk - 72 hrs