

Recommended Sheep/Goat Analgesic & Anesthetic Agents

Drug	Dosage	Per 10 lbs	Route	Duration of Action	Notes
Analgesics					
Phenylbutazone	5-6 mg/kg EOD 1 G/day		PO	24 hours	
Flunixin (Banamine)	1.1 mg/kg	5 mg	IV	12 hours	Give twice daily
Actylsalicylic Acid	5 grains/10 lbs	5 grains	PO	12 hours	Give twice daily
Buprenorphine	0.005 – 0.01 mg/kg	0.02 – 0.05 mg	IM	4-6 hours	
Butorphanol (Torbutol)	0.5 mg/kg	2.25 mg	SQ	2-3 hours	
Anesthetic Combinations (Note: Premedicate with atropine 0.22 mg/kg IM)					
Ketamine + Acepromazine (S)	22 mg/kg + 0.55 mg/kg	100 mg + 2.5 mg	IM		
Ketamine + Xylazine (G)	11 mg/kg + 0.22 mg/kg	50 mg + 1 mg	IM		Must give xylazine 1st
Pre-Anesthetic Medication					
Atropine (S)	0.15-0.3 mg/kg	0.7 – 1.4 mg	IM		
Atropine (G)	0.4 mg/kg	1.8 mg	IM		
Sedatives/Tranquilizers					
Acetylpromazine (Acepromazine)	0.05-0.1 mg/kg	0.02 – 0.5 mg	IM		
Diazepam (Valium)	0.55-1.1 mg/kg	2.5 – 5 mg	IM		
Xylazine (S)	0.05 – 0.1 mg/kg 0.1 – 0.22 mg/kg	0.22 - .45 mg 0.45 – 0.9 mg	IV IM		
Xylazine (G)	0.05 mg/kg 0.10 mg/kg	0.25 mg 0.5 mg	IV IM		
Ketamine (S)	22 mg/kg 2 mg/kg	100 mg 10 mg	IM IV		4 ml/minute CRI in a concentration of 2mg/ml in D5W
Ketamine (G)	11 mg/kg	50 mg	IM		Give after xylazine
Injectable Anesthetics					
Ketamine (S)	22 mg/kg	100 mg	IM		
Ketamine (G)	11 mg/kg	50 mg	IM		
Inhalant Anesthetics					
Isoflurane	Induction Up to 5%			Maintenance 2 – 3%	

Not Recommended: Pentobarbital (Nembutal), Chlorpromazine (Thorazine), Fentanyl & Droperidol (Innovar-Vet)