|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Drug name | Trade name | Indications | Contraindications | Withdrawal time | Drug interactions |
| Clenbuterol Chlorhydrate | Ventipulmin | For oral use in horses only, for the management of airway obstruction (beta-2-adrenegic agonist which causes bronchodilation) | Extralabel use on food animals.  In pregnant mares near term (it antagonizes the effects of PGF2alpha and ocytocin).  In horses with suspected CV impairment (tachycardia may occur). | 19 days for meat. | Antagonized by beta- adrenergic blocking agents (e.gpropranolol) |
| Flunixin Meglumine | Banamine | Alleviation of inflammation and pain asso. with musculoskeletal disorders and visceral pain asso. with colic in horses.  Control of pyrexia asso. with bovine respiratory disease, endotoxemia and acute bovine mastitis. | In horses and calves whose meat is intended for consumption.  Use within 48 hours of expected parturition.  Animals with hypersensitivity to the drug. | 4 days for meat in cattle.  36 hours for milk. | Not well studied but thought to reduce the diuretic effects of furosemide.  Cautious use with highly protein bound drugs and other anti- inflammatory agents. |
| Dexamethasone | Dexakel 02 | Treatment of bovine ketosis and as an anti-inflammatory agent in bovine and equine.  Management of rheumatic, allergic or dermatologic conditions.  Supportive therapy when immediate hormonal response is required. | In animals with chronic nephritis, hypercortisolism, diabetes, congestive heart failure and osteoporosis.  Calves to be used for veal. | None established. | Increased risk of electrolyte imbalance when used with furosemide.  Reduced immune respose when given with other corticosteroids.  Increased risk to GI ulcers may be increased with concurrent NSAID use. |
| Atropine Sulfate | Radix | Antidote in the treatment of organophosphate poisoning of cattle, horses and sheep.  Controlling excessive bronchial and gastric secretions, salivation and hypermotility of the intestinal smooth muscle. | Animals with glaucoma. | 3 days for milk and 14 days for meat. | Antihistamines and benzodiazepines may enhance the activity of the drug.  Nitrates and corticosteroids may potentiate the effects. |