

TECHNICAL NOTES

elevet⁺

Ketoprofen Injection



ACTIVE CONSTITUENT

Ketoprofen 100 mg/mL

ACTIONS

Ketoprofen is a nonsteroidal anti-inflammatory drug (NSAID) belonging to the propionic acid subclass of carboxylic acid derivative NSAIDs. NSAIDs generally exert three main pharmacological effects: anti-inflammatory, analgesic and antipyretic. The primary mechanism of action is inhibition of prostaglandin synthesis through interference with the cyclooxygenase pathway of arachidonic acid metabolism.

INDICATIONS

For Cattle

elevet+ Ketoprofen injection is for the treatment of acute inflammation and pain of various origins including respiratory disease, musculoskeletal conditions, mammary oedema and ephemeral fever.

For Horses

elevet+ Ketoprofen injection is for the treatment of acute inflammation and pain of various origins including especially due to musculoskeletal disorders, post-surgical inflammation and pain, and pain associated with colic provided surgical intervention is not required.

General

For the suppression of untoward inflammatory reactions and associated pain and fever.

a) Musculoskeletal

- Traumatic joint and connective tissue disease
- Osteo-arthritis
- Exertional myopathy
- Tenosynovitis
- Tendon and ligament sprains

b) Surgery

- Post surgical inflammation
- Post abdominal surgery
- Pre-administration in selected surgical procedures

c) Ophthalmology

- Traumatic corneal ulcers
- Keratitis
- Anterior and posterior uveitis
- Orbital trauma

d) Colic

Ketoprofen has an equivalent analgesic effect to flunixin in cases of visceral pain (Betley et al. 1991).

Ketoprofen should be used in colics where surgery will not be conducted for economic reasons, or where an accurate diagnosis indicates that surgery will not be required.

CONTRAINDICATIONS

This product is contraindicated for use in pregnant mares and in foals that are less than 15 days old.

This product is contraindicated in cattle and horses with gastro-intestinal ulceration or severe renal insufficiency.

PRECAUTIONS

Do not mix with another substance in the same syringe. Do not use with other non-steroidal anti-inflammatory drugs corticosteroids, diuretics or anti-coagulants. Do not administer by intra-arterial route.

SIDE EFFECTS

NSAIDs have the potential to produce adverse effects. The most commonly encountered are gastric irritation and possible gut ulceration.

DOSAGE & ADMINISTRATION

Use the contents within 28 days of first broaching of the vial. Discard the unused portion.

Cattle

Administer by intravenous or intramuscular routes in the neck.

Dose:

3 mL per 100 kg bodyweight (3 mg active ingredient per kg) for 1-3 consecutive days.

Horses

Administer intravenously.

Dose:

Musculoskeletal disorders: 1 mL per 45 kg bodyweight (2.2 mg active ingredient per kg) once daily for 3-5 consecutive days.

Colic: 1 mL per 45 kg bodyweight. One injection is usually sufficient. A clinical examination should be carried out prior to treatment or retreatment.

Care should be taken when using the intravenous route to ensure that none of the injection escapes into the perivascular tissues, as irritation and inflammatory reactions have occurred.

Ketoprofen possesses a wide therapeutic index; injections of twenty-five times the therapeutic dose will produce only mild toxicity (Gregoricka et al. 1990). However veterinary surgeons should maintain a close clinical watch on all patients receiving NSAID therapy.

WITHHOLDING PERIODS

HORSES (MEAT): DO NOT USE in horses less than 28 days before slaughter for human consumption.

CATTLE (MEAT): DO NOT USE less than 4 days before slaughter for human consumption.

CATTLE (MILK): Zero (0) days.

TRADE ADVICE

EXPORT SLAUGHTER INTERVAL (ESI): An ESI has not been established for this product.

Note—observing the meat withholding period may not be sufficient to mitigate potential risks to export trade. Trade advice should be sought from AVet Health Ltd on 1300 28 38 28, before using this product.

SAFETY DATA SHEET

For Safety Data Sheet see www.avet.health

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).

DISPOSAL

Dispose of container by wrapping with paper and putting in garbage.

STORAGE

Store below 25 °C (air conditioning) and protect from light.

Store the broached vial upright below 25°C (air conditioning) in a dry place and use contents within 28 days after first broaching the vial.

PRESENTATION

100 mL multiuse vial

POISONS SCHEDULE

S4

REGISTRATION NUMBERS

APVMA Approval Number: 82151