

DOTPROFEN

Ketoprofen U.S.P-100 mg Injection for Veterinary Use

Description

Ketoprofen U.S.P 100 mg Injection is a powerful non-steroidal anti-inflammatory drug (NSAID) formulated for veterinary use. It effectively reduces pain, inflammation, and fever in animals. The sterile injectable solution is designed for intramuscular or intravenous administration, allowing quick absorption and fast relief.

Composition & Excipients

- Ketoprofen U.S.P: 100 mg per mL (active ingredient)
- Sterile water for injection: solvent
- Benzyl alcohol (~0.9%): preservative
- Sodium hydroxide or hydrochloric acid: pH adjusters to maintain 6.5–8.0

Category

Ketoprofen Injection falls under the NSAID class, used as an analgesic, anti-inflammatory, and antipyretic specifically for veterinary patients such as cattle, horses, and companion animals.

Specifications

- Appearance: clear, colourless to pale yellow solution
- Ketoprofen content: 98.0% to 102.0% (USP standards)
- pH range: 6.5 to 8.0
- Sterility: meets USP sterility requirements
- Free from particulate matter

Indications

This injection is used for managing acute and chronic inflammation, musculoskeletal pain, arthritis, lameness, postoperative pain, and fever in animals. It improves animal welfare by providing effective and timely relief.

Dosage & Route of Administration

- Dosage: 1–3 mg/kg body weight depending on species and condition
- Route: intramuscular (IM) or intravenous (IV) injection
- Frequency: usually once daily or as prescribed by the veterinarian
- Available vial sizes: 15 ml, 30 ml, and 100 ml Amber Vials

Product Form

Sterile injectable solution supplied in glass vials of 15 ml, 30 ml, and 100 ml sizes, suitable for precise dosing and convenient use in veterinary clinics and farms.

Usage & Advantages

- Provides rapid and effective relief from pain and inflammation
- Injectable form ensures accurate dosing
- Less gastrointestinal irritation compared to corticosteroids
- Supports recovery and enhances animal well-being

Adverse Effects

- Possible gastrointestinal irritation or ulceration
- Injection site pain or swelling
- Hypersensitivity reactions (rare)
- Renal toxicity risk with overdose or dehydrated animals

Withdrawal Period

- Meat: minimum 7 days
- Milk: minimum 3 days

Withdrawal periods must be strictly followed to ensure safety of animal products for human consumption.

Storage & Handling

- Store between 15°C and 30°C
- Protect from direct sunlight and freezing
- Use aseptic techniques during administration
- Keep out of reach of children and unauthorized personnel

Precautions

- Use only under veterinary supervision
- Avoid use in animals with hypersensitivity to NSAIDs or liver/kidney impairment
- Do not combine with other NSAIDs or corticosteroids
- Monitor for any adverse reactions during treatment

HS and HSN Codes

- HS Code: 30049000
- HSN Code: 3004

Human & Veterinary Application

- Strictly for veterinary use only
- Avoid accidental human exposure
- Seek immediate medical attention if human contact or ingestion occurs

Frequently Asked Questions (FAQs)

- **Q1: What is Ketoprofen?**
Ketoprofen is a non-steroidal anti-inflammatory drug (NSAID) that reduces pain, inflammation, and fever in animals.
- **Q2: Which animals can be treated with Ketoprofen Injection?**
It is commonly used in cattle, horses, and companion animals under veterinary supervision.
- **Q3: What are the possible side effects?**
Side effects may include gastrointestinal irritation, injection site discomfort, hypersensitivity, and rare kidney toxicity.
- **Q4: What is the withdrawal period?**
Withdrawal time is typically 7 days for meat and 3 days for milk, following local regulations.