

MELOXIDOT

(Meloxicam B.P. 5mg Injection for Veterinary Use)

Description

Meloxicam is a non-steroidal anti-inflammatory drug (NSAID) of the oxicam class that selectively inhibits cyclooxygenase-2 (COX-2), reducing the synthesis of prostaglandins responsible for pain, inflammation, and fever. This injectable formulation provides effective relief of pain and inflammation in animals. Benzyl Alcohol acts as a preservative to maintain sterility and prolong shelf-life.

Specification

- **Active Ingredient:** Meloxicam B.P. 5 mg/mL
- **Preservative:** Benzyl Alcohol I.P. 2% v/v
- **Appearance:** Clear, yellowish sterile injectable solution
- **pH:** Approximately 6.5 - 7.5
- **Sterility:** Sterile and pyrogen-free
- **Packaging:** Supplied in sterile glass vials or ampoules, commonly 30 mL, 100 mL

Composition

- Meloxicam B.P.: 5 mg per mL
- Benzyl Alcohol I.P.: 2% v/v (Preservative)
- Excipients: Sterile water for injection, stabilizers

Category

- Non-steroidal anti-inflammatory drug (NSAID)
- Veterinary analgesic and anti-inflammatory agent

Indications

- Relief of pain and inflammation associated with musculoskeletal disorders such as arthritis
- Management of postoperative pain and inflammation/ Control of pyrexia (fever) in animals
- Treatment of acute and chronic inflammatory conditions in dogs, cats, cattle, and other animals

Dosage and Administration

- **Dose:** Generally, 0.2 mg/kg body weight as a single daily dose
- **Route:** Intramuscular (IM) or subcutaneous (SC) injection
- **Frequency:** Once daily or as directed by a veterinarian
- Duration depends on clinical response and veterinary guidance

Product Form

- Sterile injectable solution
- Concentration: 5 mg/mL Meloxicam with 2% Benzyl Alcohol
- Pack sizes: Typically, 30mL, 100mL vials or ampoules

Usage Instructions

- Use aseptic technique during administration
- Shake well before use
- Administer deep IM or SC injection slowly
- Monitor animal's response and watch for adverse effects

Advantages

- Selective COX-2 inhibition reduces gastrointestinal side effects compared to non-selective NSAIDs
- Effective analgesic and anti-inflammatory properties
- Suitable for use in a variety of animal species
- Convenient once-daily dosing
- Benzyl Alcohol preservative ensures solution stability

Adverse Effects

- Gastrointestinal upset including vomiting, diarrhoea, or ulcers (rare)
- Renal toxicity if overdosed or in dehydrated animals
- Allergic reactions or hypersensitivity (rare)
- Injection site reactions such as swelling or pain

Withdrawal Period

- **Meat:** Minimum 14 days or as per regulatory guidelines
- **Milk:** At least 4 days, depending on species and local regulations

Storage Conditions

- Store at 15°C to 30°C
- Protect from light and freezing
- Keep out of reach of children and animals
- Do not use after expiry date

Handling Precautions

- Wear gloves during handling and administration
- Avoid direct contact with skin and eyes
- In case of accidental exposure, wash thoroughly with water
- Dispose of unused product and containers safely

HS and HSN Code

- **HS Code:** 2933.59 (Heterocyclic compounds with nitrogen)
- **HSN Code (India):** 2933.59.90

Special Instructions

- For veterinary use only
- Administer under veterinary supervision
- Do not exceed recommended dose or duration
- Monitor animals for adverse reactions, especially those with renal or hepatic impairments

Details of Human and Veterinary Application

- **Veterinary Use:** Used extensively for managing pain and inflammation in animals
- **Human Use:** Meloxicam is widely used in humans but formulations differ; veterinary product is not for human use

? Frequently Asked Questions (FAQs)

Q1: What is Meloxicam?

A: A selective COX-2 NSAID used to reduce pain, inflammation, and fever in animals.

Q2: What is the role of Benzyl Alcohol?

A: Acts as a preservative to maintain sterility and prolong shelf life.

Q3: How is this injection administered?

A: Intramuscular or subcutaneous injection.

Q4: What is the recommended dosage?

A: Usually 0.2 mg/kg body weight once daily.

Q5: Are there any side effects?

A: Possible gastrointestinal upset, renal toxicity if overdosed, and rare allergic reactions.

Q6: What are the storage conditions?

A: Store between 15°C and 30°C, protected from light.

Q7: Is this product safe for all animals?

A: Use with caution in animals with kidney or liver issues; always follow veterinary advice.

