

MEGLUDOT-E

Flunixin Meglumine-10 mg Enrofloxacin-100 mg

Injection for Veterinary Use

Description

This combination injectable solution contains Flunixin Meglumine, a non-steroidal anti-inflammatory drug (NSAID), and Enrofloxacin, a fluoroquinolone antibiotic. Flunixin provides potent analgesic, anti-inflammatory, and antipyretic effects, while Enrofloxacin offers broad-spectrum antibacterial activity against Gram-negative and some Gram-positive pathogens.

The formulation is designed for veterinary use to treat bacterial infections accompanied by inflammation and pain in livestock and companion animals. The sterile solution is supplied in amber glass vials (30 ml and 100 ml) to protect from light and maintain stability.

Composition

- Active Ingredients:
 - Flunixin Meglumine equivalent to Flunixin 10 mg per ml
 - Enrofloxacin 100 mg per ml
- Excipients:
 - Water for Injection (vehicle)
 - Suitable solvents and stabilizers
- pH adjusted to ensure product stability and compatibility for injection

Specification

- Appearance: Clear, pale yellow sterile injectable solution
- Assay:
 - Flunixin Meglumine: 90% – 110% of labelled content
 - Enrofloxacin: 90% – 110% of labelled content
- Sterility: Compliant with USP/BP standards
- pH: 5.5 – 7.0
- Free from visible particulates
- Pyrogen-free as per pharmacopeial requirements

Indications

Indicated for treatment of:

- Inflammatory conditions and pain associated with musculoskeletal disorders
- Bacterial infections caused by susceptible strains (respiratory, urinary, gastrointestinal infections) in cattle, sheep, goats, and swine
- Pyrexia (fever) management in animals due to infectious diseases
- Adjunctive therapy in management of bovine respiratory disease complex

Dosage and Administration

- Recommended dose:
 - Flunixin Meglumine: 1.1 mg/kg body weight
 - Enrofloxacin: 5 mg/kg body weight
- Administration route: Intramuscular (IM) or subcutaneous (SC) injection as per veterinary advice
- Frequency: Usually once daily; duration depends on infection severity and veterinary guidance

Product Form

Sterile injectable solution supplied in amber glass vials:

- 30 ml vial for small to medium herds or precise dosing
- 100 ml vial for larger herds or extended treatment courses

Usage and Advantages

- Combines anti-inflammatory and antibacterial effects in a single injection
- Effective management of infections complicated by inflammation and pain
- Reduces need for multiple injections and improves compliance
- Broad-spectrum antibiotic activity with NSAID benefits
- Convenient for veterinary field use in livestock

Adverse Effects

- Possible local reactions including swelling or pain at injection site
- Gastrointestinal disturbances such as vomiting or diarrhoea in sensitive animals
- Rare hypersensitivity or allergic reactions/ Caution in animals with renal or hepatic impairment
- Avoid use in animals with known hypersensitivity to either active ingredient

Withdrawal Period

- Meat and offal: Minimum 14 days before slaughter
- Milk: Withdraw milk for at least 72 hours after last treatment
- Follow local regulatory withdrawal guidelines strictly

Precautions

- For veterinary use only
- Do not use in animals with known hypersensitivity to NSAIDs or fluoroquinolones
- Avoid use in animals intended for human consumption during pregnancy without veterinary supervision
- Use aseptic techniques during administration
- Avoid off-label use unless directed by a veterinarian

Storage

- Store between 15°C and 30°C (59°F to 86°F)
- Protect from light by storing in amber vials
- Do not freeze
- Keep vials tightly sealed when not in use

Handling and Safety

- Wear gloves and protective equipment when handling
- In case of accidental exposure, wash thoroughly and seek medical advice if necessary
- Dispose of empty containers and syringes in accordance with local biohazard regulations
- Avoid environmental contamination

HS Code and HSN Code

- HS Code: 3004.90 (Medicaments consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packings for retail sale)
- HSN Code: 3004 (Medicaments for therapeutic or prophylactic uses)

Special Instructions

- Use as directed by a qualified veterinarian
- Monitor treated animals for adverse reactions
- Do not mix with other drugs unless compatibility is established
- Maintain accurate records of treatment and withdrawal periods

Details of Human and Veterinary Applications

- This formulation is strictly for veterinary use
- Human formulations of Flunixin and Enrofloxacin exist but differ in concentration and excipients
- Combination therapy improves treatment efficacy in veterinary infections involving pain and inflammation

Frequently Asked Questions (FAQs)

Q1: What is Flunixin Meglumine (FM) and Enrofloxacin (ENR)?

A: FM is an NSAID used to reduce inflammation and pain; ENR is a fluoroquinolone antibiotic targeting bacterial infections.

Q2: Can this combination be used in all animals?

A: It is approved for use in cattle, sheep, goats, and swine. Consult a veterinarian for other species.

Q3: How long is the withdrawal period?

A: Meat: 14 days; milk: 72 hours minimum.

Q4: Can it be used during pregnancy?

A: Use only under veterinary supervision.

Q5: What are common side effects?

A: Mild injection site reactions and possible gastrointestinal upset.

Q6: How should the product be stored?

A: Store at 15-30°C in a dry, dark place; protect from freezing and light.