

FERIDOT

Iron Sorbitol Citric Acid Complex 50 mg + Folic Acid I.P. 500 mcg + Hydroxocobalamin Acetate B.P 50 mcg Injection for Veterinary Use

Description

This sterile injectable solution combines Iron Sorbitol Citric Acid Complex, Folic Acid, and Hydroxocobalamin Acetate, delivering a multi-nutrient formulation essential for the prevention and treatment of anaemia and related vitamin deficiencies in livestock. Iron is a critical component of haemoglobin, folic acid supports DNA synthesis and red blood cell formation, and hydroxocobalamin (a form of Vitamin B12) aids neurological function and red blood cell maturation.

Presented in a 10 ml amber vial to ensure stability and protection from light.

Composition

- Iron Sorbitol Citric Acid Complex equivalent to elemental Iron (Fe): 50 mg per ml
- Folic Acid (Vitamin B9) I.P.: 500 mcg per ml
- Hydroxocobalamin Acetate B.P. equivalent to Hydroxocobalamin (Vitamin B12): 50 mcg per ml
- Excipients: Water for Injection, stabilizers, and preservatives as per pharmacopeial standards
- pH adjusted for stability and biocompatibility

Specification

- Appearance: Clear, reddish to amber sterile injectable solution
- Assay: 90% – 110% of labelled content for each active ingredient
- Sterility: Compliant with I.P./USP/BP sterility requirements
- pH: Approximately 5.0 – 7.0
- Free from visible particulates and pyrogens

Indications

- Treatment and prevention of iron deficiency anaemia in cattle, sheep, goats, and other livestock
- Supplementation during pregnancy, lactation, and rapid growth phases
- Support in cases of poor appetite, weakness, and delayed growth caused by vitamin and mineral deficiencies
- Adjunct therapy in reproductive and metabolic disorders associated with vitamin deficiencies

Dosage and Administration

- Recommended dose: 1 ml per 20-50 kg body weight or as directed by the veterinarian
- Route of administration: Intramuscular (IM) injection only
- Frequency: Administer once or repeated doses according to veterinary prescription based on clinical condition

Product Form

Sterile injectable solution supplied in 10 ml amber glass vial to ensure product integrity and light protection.

Usage and Advantages

- Combines essential iron and vitamins in one convenient injectable formulation
- Rapid correction of anaemia and vitamin deficiencies
- Enhances animal productivity, growth, and reproductive performance
- Suitable for use in a wide range of livestock species
- Reduces need for multiple injections and improves treatment compliance

Adverse Effects

- Possible local injection site reactions such as swelling or mild pain
- Rare allergic or hypersensitivity reactions
- Overdose of iron may cause toxicity—strict adherence to dosage is essential
- Avoid intravenous administration due to risk of severe reactions

Withdrawal Period

- Meat: Minimum 21 days withdrawal period before slaughter
- Milk: Discontinue milk withdrawal for at least 72 hours after last dose
- Follow local veterinary guidelines strictly

Precautions

- For veterinary use only
- Do not administer intravenously
- Use aseptic techniques during administration
- Avoid use in animals with known hypersensitivity to any component
- Store vial tightly closed and protect from light and extreme temperatures

Storage

- Store at 15°C to 30°C (59°F to 86°F)
- Protect from direct sunlight and freezing
- Keep vial sealed when not in use

Handling and Safety

- Wear gloves and protective equipment while handling
- In case of accidental human exposure, wash thoroughly and seek medical advice
- Dispose of used vials and needles as per biohazard waste regulations

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

- Administer only under veterinary supervision
- Monitor animals post-injection for adverse reactions
- Maintain accurate records of treatment for compliance and withdrawal monitoring

Details of Human and Veterinary Applications

- Iron and vitamin B complex injections are essential in veterinary medicine to prevent and treat nutritional anaemia and deficiency syndromes
- Similar formulations exist for human use but differ in concentration and excipients
- Critical for optimizing livestock health, productivity, and reproductive performance

? Frequently Asked Questions (FAQs)

Q1: What is Iron Sorbitol Citric Acid Complex?

A: It is a stable iron complex used to treat iron deficiency anaemia in animals.

Q2: What roles do Folic Acid and Hydroxocobalamin play?

A: Folic Acid supports red blood cell production and DNA synthesis; Hydroxocobalamin (Vitamin B12) aids in neurological health and red blood cell maturation.

Q3: How is this injection administered?

A: Intramuscular injection as per veterinary dosage instructions.

Q4: What animals can receive this treatment?

A: Mainly cattle, sheep, goats, and other livestock.

Q5: Are there any side effects?

A: Mild local reactions; overdose risks primarily with iron component.

Q6: What withdrawal periods apply?

A: Meat: 21 days; milk: 72 hours minimum after last dose.

Q7: How should the product be stored?

A: Store at 15-30°C, protect from light and freezing.

