RECEPTDOT

Buserelin Acetate 0.0042 mg (equivalent to 0.004 mg Buserelin) Injection for Veterinary Use

📋 Description

Buserelin Acetate is a **synthetic analogue of gonadotropin-releasing hormone (GnRH)** used to control and regulate reproductive cycles in animals. It helps in the **induction of ovulation, synchronization of estrus, and treatment of reproductive disorders** in livestock. Administered via injection, it provides precise hormonal control for improved fertility management.

⚙️ Composition *(per mL)*

- **Buserelin Acetate** – 0.0042 mg (equivalent to 0.004 mg Buserelin)
- **Sterile aqueous or oily base** – q.s. to 1 mL

🏷️ Category

Hormonal Agent / Gonadotropin-Releasing Hormone (GnRH) Analogue

📊 Specifications

- **Form**: Sterile injectable solution
- **Appearance**: Clear, colourless to slightly yellow liquid
- **Container**: 10 ml amber glass vial
- **Closure**: Rubber stopper with aluminium seal
- **Sterility**: As per pharmacopeial standards

💉 Indications

- Induction and synchronization of **estrus and ovulation** in cattle and other livestock
- Treatment of **reproductive disorders** such as anestrus and cystic ovaries
- Used in **artificial insemination (AI) protocols** for improved conception rates

💊 Dosage & Route of Administration

- **Dosage**: Usually 1 mL (0.0042 mg) per animal, dosage may vary per veterinary advice
- **Route**: Subcutaneous (SC) or Intramuscular (IM) injection
- **Pack Size**: 10 ml vial

🧴 Product Form

- Sterile injectable solution in multi-dose vial
- For veterinary parenteral use only

📈 Usage & Advantages

- Precisely regulates reproductive hormones
- Improves breeding efficiency and fertility
- Non-toxic at recommended doses
- Widely used in modern livestock reproductive management

⚠️ Adverse Effects

- Temporary local irritation at injection site
- Rare hormonal side effects such as temporary behavioural changes
- Use cautiously in pregnant animals unless indicated

🗓️ Withdrawal Period

- **Meat**: 7 days
- **Milk**: 48 hours

❄️ Storage & Handling

- Store at **2-8°C** (refrigerated)
- Protect from light
- Do not freeze/ Use aseptic techniques for injection

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Precautions

- For veterinary use only
- Do not use in animals with known hypersensitivity to GnRH analogues
- Use under veterinary supervision

HS and HSN Codes

- **HS Code**: 30045000
- **HSN Code**: 3004

Human & Veterinary Application

- Strictly for veterinary use
- Not for human use
- Avoid accidental human exposure

Frequently Asked Questions (FAQs)

- **Q1: What is Buserelin Acetate used for?**
  It regulates and controls reproductive cycles in livestock.
- **Q2: How is it administered?**
  SC or IM injection.
- **Q3: Can it be used in pregnant animals?**
  Use cautiously and only under vet supervision.
- **Q4: How should it be stored?**
  Refrigerate at 2-8°C, protect from light.
- **Q5: What are the withdrawal periods?**
  7 days for meat, 48 hours for milk.