

# PREVET

## (Prednisolone Acetate B.Vet.C. 10mg Injection for Veterinary Use)

### Description

Prednisolone Acetate is a synthetic glucocorticoid with potent anti-inflammatory, anti-allergic, and immunosuppressive properties. It is commonly used in veterinary practice to treat conditions such as allergic reactions, inflammatory diseases, autoimmune disorders, and shock. This injectable formulation allows rapid systemic absorption. Benzyl Alcohol is incorporated as a preservative to maintain sterility and prolong shelf life.

### Specification

- **Active Ingredient:** Prednisolone Acetate B.Vet.C. 10 mg/mL
- **Preservative:** Benzyl Alcohol I.P. 0.945% w/v
- **Appearance:** White to off-white, sterile aqueous suspension
- **pH:** 5.5 – 7.0
- **Sterility:** Sterile and pyrogen-free
- **Packaging:** 10 mL sterile glass vial (typical), shake-well suspension

### Composition

- Prednisolone Acetate B.Vet.C.: 10 mg per mL
- Benzyl Alcohol I.P.: 0.945% w/v (Preservative)
- Excipients: Suspension base (e.g., polysorbates, carboxymethylcellulose), sterile water for injection

### Category

- Synthetic Glucocorticoid
- Anti-inflammatory, Antiallergic, Immunosuppressive

## Indications

- Allergic reactions (anaphylaxis, urticaria, dermatitis)
- Inflammatory conditions (arthritis, bursitis, tenosynovitis)
- Autoimmune diseases (immune-mediated haemolytic anaemia, lupus)
- Shock, trauma, and central nervous system enema
- Adjunctive therapy in certain infections (under antibiotic cover)

## Dosage and Administration

- **Dose:**
  - **General range:** 0.1 to 1 mg/kg body weight depending on species and severity
  - **Anti-inflammatory:** 0.1–0.3 mg/kg
  - **Immunosuppressive:** Up to 1 mg/kg
- **Route:** Intramuscular (IM) or subcutaneous (SC) injection
- **Frequency:** Once daily or as directed by a veterinarian

## Product Form

- **Form:** Sterile injectable suspension
- **Concentration:** 10 mg/mL Prednisolone Acetate
- **Pack Size:** Commonly 10 mL vial
- **Appearance:** Shake-well suspension

## Usage Instructions

- Shake well before use to ensure uniform dosing
- Use sterile syringe and needle
- Administer under veterinary supervision
- Avoid intravascular injection of suspension

## Advantages

- Powerful anti-inflammatory and anti-allergic effects
- Versatile treatment option across species
- Fast-acting relief for acute and chronic conditions
- Long duration of action for sustained control
- Preserved formulation ensures product safety and longevity

## Adverse Effects

- Polyuria, polydipsia, and polyphagia (especially with prolonged use)
- Delayed wound healing
- Immunosuppression leading to increased infection risk
- Gastrointestinal ulcers or bleeding
- Potential adrenal suppression on long-term use

## Withdrawal Period

- **Meat:** Minimum 28 days (varies by country regulations)
- **Milk:** At least 7 days or as per local guidelines
- Follow veterinary directives strictly in food-producing animals

## Storage Conditions

- Store below 25°C (room temperature)
- Do not freeze
- Protect from light
- Shake well before use
- Keep out of reach of children and animals

## Handling Precautions

- Wear gloves when handling or administering
- Avoid contact with skin and eyes
- In case of accidental contact, wash thoroughly
- Dispose of used syringes/needles and packaging safely

## **HS and HSN Code**

- **HS Code:** 3004.39 (Hormone-based preparations)
- **HSN Code (India):** 3004.39.00

## **Special Instructions**

- For veterinary use only
- Not for use in animals with active infections without antibiotic cover
- Avoid use in pregnant animals unless absolutely necessary
- Taper dose gradually for long-term users to prevent adrenal crisis

## **Details of Human and Veterinary Application**

- **Veterinary Use:** Widely used across species for allergic, autoimmune, and inflammatory conditions
- **Human Use:** Prednisolone is used in humans, but veterinary formulations are **not** suitable for human administration due to different excipients and concentrations

## **Frequently Asked Questions (FAQs)**

### **Q1: What is Prednisolone Acetate used for in animals?**

A: It is used to manage inflammation, allergies, autoimmune diseases, and shock in veterinary patients.

### **Q2: What is the role of Benzyl Alcohol?**

A: It acts as a preservative to ensure sterility and stability of the formulation.

### **Q3: How is this injection administered?**

A: Typically, via IM or SC injection, depending on the species and clinical condition.

### **Q4: Can this be given long-term?**

A: Long-term use should be under strict veterinary monitoring due to risk of side effects like adrenal suppression.

### **Q5: What are signs of steroid side effects?**

A: Increased thirst and urination, weight gain, delayed healing, or increased risk of infections.

### **Q6: Can this drug be used in food animals?**

A: Yes, but only under strict withdrawal periods and veterinary supervision.