

# OFFDOT

## Ofloxacin I.P. 10% w/w Veterinary Oral Powder For Veterinary Use

### Description

Ofloxacin is a broad-spectrum fluoroquinolone antibiotic that works by inhibiting bacterial DNA gyrase, preventing DNA replication and transcription, leading to bactericidal effects. This veterinary oral powder formulation allows easy administration through feed or water, targeting bacterial infections in various animal species including cattle, sheep, goats, pigs, and poultry.

### Composition

- Ofloxacin I.P. — 10% w/w (Active Pharmaceutical Ingredient)
- Pharmaceutical-grade excipients: Suitable fillers, stabilizers, and palatability enhancers to ensure stability and ease of administration.

### Category

Veterinary Antibiotic — Fluoroquinolone Class

### Specification

- Appearance: Fine, free-flowing pale yellow to off-white powder
- Identification: Complies with Indian Pharmacopoeia (I.P.) standards for Ofloxacin
- Assay: 98.0% to 102.0% of labelled Ofloxacin content
- pH (in solution): 5.5–7.0
- Loss on drying: ≤ 2.0%
- Heavy metals: Within prescribed limits
- Microbial limits: Conforms to standards for veterinary oral powders

### Indications

- Effective treatment of bacterial infections caused by susceptible pathogens in food-producing and companion animals.
- Indicated for respiratory tract infections, urinary tract infections, skin and soft tissue infections, gastrointestinal infections, and septicaemia caused by bacteria sensitive to Ofloxacin.

## **Dosage & Route of Administration**

- Recommended Dosage: 5 mg/kg body weight twice daily (or as directed by the veterinarian)
- Route: Oral administration by mixing powder directly into feed or drinking water
- Treatment Duration: Usually 5 to 7 days, adjustable based on clinical response

## **Product Form & Packaging Sizes**

- Veterinary Oral Powder in packaging sizes: **100 gm, 250 gm, 500 gm, 1 kg, and 5 kg.**

## **Usage & Advantages**

- Broad-spectrum antibiotic effective against Gram-positive and Gram-negative bacteria
- Convenient powder form facilitates easy administration without stress to animals
- Rapid systemic absorption and high bioavailability
- Minimal adverse reactions with appropriate use
- Promotes animal health and productivity by effectively managing infections

## **Adverse Effects**

- Generally safe; possible mild gastrointestinal disturbances such as vomiting or diarrhoea
- Caution advised in young animals due to potential cartilage effects
- Avoid overdose to prevent toxicity and resistance

## **Withdrawal Period**

- Meat: Minimum 7 days
- Milk: Minimum 3 days
- Comply with local regulations before animal products are used for human consumption

## **Storage**

- Store in a cool, dry place below 30°C
- Protect from light and moisture
- Keep container tightly closed when not in use

## **Handling**

- Use appropriate personal protective equipment (PPE) during handling to avoid inhalation or skin contact
- Prevent contamination of feed and water beyond recommended dosages

## **HS Code / HSN Code**

- HS Code: 2941.20 (Antibiotics)
- HSN Code: 294190 (Other antibiotics for veterinary use)

## **Special Instructions**

- Strictly follow veterinary guidance and dosage instructions
- Not to be used in animals allergic to fluoroquinolones
- Avoid co-administration with bactericidal antibiotics unless prescribed
- Monitor for any adverse reactions and report accordingly

## **Human and Veterinary Application Details**

- Exclusively for veterinary use; not for human consumption
- Dosage and formulations differ from human pharmaceutical products
- Adherence to withdrawal periods is critical to prevent drug residues in animal products and antimicrobial resistance development

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

### **Q: What is Ofloxacin?**

A: Ofloxacin is a fluoroquinolone antibiotic that treats a wide range of bacterial infections by inhibiting bacterial DNA synthesis.

### **Q: How do I administer this oral powder?**

A: Mix the prescribed dose with animal feed or dissolve in drinking water as advised.

### **Q: Is this product safe for all animals?**

A: Generally safe for food-producing and companion animals; however, use caution in young animals and avoid if allergic to fluoroquinolones.

### **Q: What is the withdrawal period for this drug?**

A: Meat withdrawal is 7 days and milk withdrawal is 3 days.

### **Q: Are there any side effects?**

A: Mild gastrointestinal upset may occur rarely. Overdose can lead to toxicity.