

OXYDOT-N

Neomycin Sulphate I.P. 5% w/w- 50 mg Oxytetracycline Hydrochloride I.P. 5%
w/w- 50 mg

Veterinary Oral Powder For Veterinary Use

Description

This veterinary oral powder is a **broad-spectrum, dual-action antibiotic formulation** combining two highly effective agents: **Neomycin Sulphate**, an aminoglycoside antibiotic primarily active against Gram-negative bacteria in the gastrointestinal tract, and **Oxytetracycline Hydrochloride**, a tetracycline-class antibiotic with wide-spectrum activity against Gram-positive and Gram-negative organisms. The combination is synergistic in targeting both systemic and enteric infections in livestock and poultry.

Composition

- Neomycin Sulphate I.P. — 5% w/w (50 mg per gram)
- Oxytetracycline Hydrochloride I.P. — 5% w/w (50 mg per gram)
- Pharmaceutical-grade excipients — q.s. to 1 gm: carriers, stabilizers, palatability enhancers

Category

Veterinary Antibiotic — Aminoglycoside and Tetracycline Combination

Specification

- Appearance: Pale yellow to light brown, free-flowing oral powder
- Identification: Complies with Indian Pharmacopoeia (I.P.) standards for both active pharmaceutical ingredients (APIs)
- Assay: 95.0% to 105.0% of labelled strength for both APIs
- pH (in solution): 5.0–7.0
- Moisture content (LOD): Not more than 5.0%
- Microbial quality: Conforms to limits for veterinary oral formulations
- Stability: Stable for 24 months in prescribed storage conditions

Indications

- Treatment and prevention of gastrointestinal, respiratory, and systemic infections caused by organisms susceptible to Neomycin and Oxytetracycline
- Common indications include bacterial enteritis, colibacillosis, salmonellosis, CRD (chronic respiratory disease), pneumonia, and septicemia
- Effective in cattle, buffalo, sheep, goats, pigs, poultry, and other livestock

Dosage & Route of Administration

- Recommended Dosage:
 - Large animals (cattle, buffalo): 5–10 gm per 100 kg body weight per day
 - Calves, sheep, goats: 2–4 gm per 50 kg body weight per day
 - Poultry: 1 gm per litre of drinking water or 500 gm per ton of feed
- Duration: 3 to 5 days, or as prescribed by the veterinarian
- Route: Oral administration via feed or drinking water

Product Form & Packaging Sizes

- Veterinary Oral Powder
- Packaging Sizes: **100 gm, 250 gm, 500 gm, 1 kg, 5 kg**
- Type: Sealed, moisture-proof, tamper-evident containers

Usage & Advantages

- Synergistic combination offers dual-spectrum antibacterial coverage
- Neomycin acts locally in the gut, while Oxytetracycline provides systemic support
- Effective against mixed infections (enteric and respiratory)
- Promotes faster recovery, improved feed intake, and overall animal performance
- Easy to administer in feed or water — stress-free treatment for livestock and poultry
- Minimizes risk of secondary infections

Adverse Effects

- Rarely: Gastrointestinal irritation, diarrhoea, or appetite loss
- Prolonged use or overdose may lead to nephrotoxicity or hepatotoxicity
- Avoid in animals with renal impairment unless prescribed under strict supervision
- May disrupt gut flora if used for extended periods

Withdrawal Period

- Meat: 7 days
- Milk: 3 days
- Eggs: 3 days
- Observe all withdrawal periods before selling animal products for human consumption

Storage

- Store below 30°C in a dry, dark place
- Protect from moisture, sunlight, and heat
- Keep the lid tightly closed after each use

Handling

- Use gloves and a mask during mixing to avoid inhalation or direct contact
- Keep out of reach of children and unauthorized personnel
- Do not reuse empty containers

HS Code / HSN Code

- HS Code: 2941.90 (Other antibiotics)
- HSN Code: 29419090 (Veterinary-use antibiotics — Others)

Special Instructions

- Do not use in animals with known hypersensitivity to aminoglycosides or tetracyclines
- Avoid use during active vaccination or stress periods
- Not recommended for continuous long-term administration without veterinary supervision

Human and Veterinary Application Details

- Strictly for **veterinary use** only — not intended for human use
- Although both Neomycin and Oxytetracycline are used in human medicine, the formulation, dose, and excipients in veterinary products differ significantly
- Always ensure compliance with national veterinary drug regulations and withdrawal periods

? Frequently Asked Questions (FAQs)

Q: What is Neomycin Sulphate and what does it do?

A: Neomycin Sulphate is an aminoglycoside antibiotic that works locally in the gut to fight Gram-negative bacterial infections.

Q: What is Oxytetracycline Hydrochloride?

A: Oxytetracycline Hydrochloride is a broad-spectrum tetracycline antibiotic effective against Gram-positive and Gram-negative bacteria.

Q: How should I give this powder to animals?

A: Mix the correct dose in feed or water depending on species and body weight. Follow veterinary instructions closely.

Q: Can I use this in poultry?

A: Yes, it is widely used in poultry for respiratory and intestinal infections.

Q: Are there any side effects?

A: Very rare. If given in high doses or for too long, side effects like diarrhoea or toxicity may occur.

Q: What is the meat and milk withdrawal time?

A: Meat: 7 days, Milk: 3 days, Eggs: 3 days.

Q: Is this product safe for all animal species?

A: It is safe for cattle, buffalo, sheep, goats, pigs, and poultry when used according to the recommended dosage.

