

DOTMEC

Ivermectin I.P. 1% w/w Veterinary Oral Powder For Veterinary Use

Description

Ivermectin is a **highly effective broad-spectrum antiparasitic agent** belonging to the macrocyclic lactone class. It acts by enhancing inhibitory neurotransmission (via gamma-aminobutyric acid and glutamate-gated chloride channels), resulting in paralysis and death of internal and external parasites. This formulation is intended for **oral administration** in livestock and poultry to treat and prevent parasitic infestations.

Composition

- Ivermectin I.P. — 1% w/w (10 mg per gram)
- Pharmaceutical-grade excipients — q.s. to 1 gm: carriers and stabilizers to support powder flow, homogeneity, and palatability

Category

Veterinary Antiparasitic / Anthelmintic
(Macrocyclic Lactone Class)

Specification

- Appearance: White to off-white free-flowing oral powder
- Identification: Conforms to Indian Pharmacopoeia (I.P.) standards for Ivermectin
- Assay: 95.0% – 105.0% of labelled Ivermectin content
- Loss on drying: Not more than 5.0%
- Solubility: Slightly soluble in water, freely soluble in alcohol
- pH (in solution): 5.0–7.0
- Microbial load: Conforms to veterinary oral preparation standards
- Stability: 24 months under recommended storage conditions

Indications

- Control and treatment of both **endoparasites** and **ectoparasites** in livestock and poultry
- Effective against gastrointestinal roundworms (*Haemonchus*, *Ostertagia*, *Trichostrongylus*, etc.), lungworms, lice, mange mites, and warbles
- Used in cattle, buffalo, sheep, goats, pigs, and poultry

Dosage & Route of Administration

- General Dosage: 0.2 mg/kg body weight orally (or as directed by a veterinarian)
- Large animals (cattle, buffalo): Approx. 2 gm per 100 kg body weight
- Poultry: 1 gm per 3–5 litres of drinking water or as per flock weight
- Route: Oral (via feed or drinking water)
- Duration: Usually single administration; repeat in 7–10 days if required

Product Form & Packaging Sizes

- Veterinary Oral Powder
- Available Sizes: 100 gm, 250 gm, 500 gm, 1 kg, and 5 kg
- Packaging: Moisture-resistant, tamper-proof HDPE containers or pouches

Usage & Advantages

- **Dual-action:** effective against both internal and external parasites
- High efficacy at low doses
- Improves animal health, appetite, and productivity post-deworming
- Minimizes parasite-related losses in commercial livestock operations
- Cost-effective and easy to administer orally

Adverse Effects

- Rare: Transient discomfort, reduced appetite, or lethargy
- Hypersensitivity reactions are uncommon but possible
- Overdose may lead to neurotoxicity, especially in young or debilitated animals
- Use caution in combination with other macrocyclic lactones

Withdrawal Period

- Meat: 28 days
- Milk: **Not for use in lactating dairy animals** unless approved by local authorities
- Eggs: Not recommended unless specified

Storage

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

Handling

- Use gloves and mask during mixing or administration
- Wash hands after handling
- Keep away from children and unauthorized personnel

HS Code / HSN Code

- HS Code: 3003.90 (Medicaments for veterinary use)
- HSN Code: 30039034 (Ivermectin — for veterinary use)

Special Instructions

- Do not use in animals intended for immediate slaughter
- Avoid administration to animals under stress or severe illness without veterinary supervision
- Not recommended in animals known to be sensitive to Ivermectin
- Avoid contaminating water bodies with medicated feed or waste

Human and Veterinary Application Details

- Strictly for **veterinary use** only
- While Ivermectin is used in human medicine (for parasitic infections), formulations and dosages are **not interchangeable**
- Misuse in humans or animals may lead to resistance and toxicity — always follow veterinary guidance

? Frequently Asked Questions (FAQs)

Q: What is Ivermectin and how does it work?

A: Ivermectin is a macrocyclic lactone antiparasitic that paralyzes and kills parasites by interfering with their nervous system.

Q: What parasites does it treat in animals?

A: It treats internal worms (like roundworms and lungworms), mites, lice, and other ectoparasites.

Q: Can I use this in poultry?

A: Yes, it's effective in poultry for deworming and external parasite control when dosed properly.

Q: Is this product safe for pregnant animals?

A: Use only under veterinary supervision in pregnant or lactating animals.

Q: What is the withdrawal period for meat or milk?

A: Meat: 28 days; Milk: Not approved for lactating animals unless specified by your local authority.

Q: Can I use this powder in pets like dogs or cats?

A: No — this formulation is **not approved** for pets. Consult a veterinarian for pet-specific antiparasitic.

Q: How often should I use Ivermectin?

A: Deworming schedules vary — typically every 3 to 6 months or as per farm protocol.

