

# DOTMEC-TR

Triclabendazole 50 mg + Ivermectin I.P 1 mg Oral Suspension

For Veterinary Use Only

## Description

This is a **dual-acting veterinary oral suspension** containing **Triclabendazole** and **Ivermectin**, formulated for the effective treatment of **mixed parasitic infestations** in livestock, particularly cattle, buffaloes, sheep, and goats.

**Triclabendazole** is a benzimidazole derivative highly effective against **liver flukes** (*Fasciola hepatica*, *Fasciola gigantica*) in both immature and mature stages.

**Ivermectin** is a macrocyclic lactone endectocide that provides **broad-spectrum activity** against internal nematodes and certain ectoparasites.

This combination is particularly beneficial in **fluke-endemic areas** where co-infection with roundworms or ectoparasites is common.

## Specification

- **Composition per mL:**
  - Triclabendazole — 50 mg
  - Ivermectin I.P — 1 mg
  - Excipients — q.s. to 1 mL
- **Appearance:**  
Smooth, creamy white to pale suspension. Homogenous upon shaking.
- **Formulation Type:**  
Ready-to-use oral liquid suspension
- **pH Range:**  
Formulated between 4.5–6.5 for stability and palatability
- **Preservatives:**  
Includes pharmacopeial-grade preservatives for microbial stability (if applicable)
- **Packaging:**  
HDPE bottles with tamper-evident caps in **500 mL** and **100 mL** sizes
- **Shelf Life:**  
24 months from the date of manufacture when stored as directed

## Pharmacological Category

Anthelmintic / Antiparasitic agent — Combination of benzimidazole (Triclabendazole) and macrocyclic lactone (Ivermectin)

## Indications

Indicated for the **treatment and control** of mixed parasitic infestations in:

- Cattle
- Buffaloes
- Sheep
- Goats

### **Effective against:**

- Liver flukes (*Fasciola hepatica*, *Fasciola gigantica*) — immature and mature stages
- Gastrointestinal nematodes (e.g. *Haemonchus*, *Ostertagia*, *Cooperia*, *Oesophagostomum*)
- Lungworms (*Dictyocaulus* spp.)
- Mange mites
- Lice
- Nasal bots (in sheep)

## Dosage and Route of Administration

- **Route:** Oral (by mouth)
- **Recommended Dosage:**
  - **Cattle & Buffaloes:** 1 mL per 10 kg body weight
  - **Sheep & Goats:** 1 mL per 5 kg body weight
  - Or as directed by a registered veterinary practitioner
- **Instructions for Use:**
  - Shake well before each use
  - Use a calibrated drench gun for accurate dosing
  - Do not administer with feed or water
  - Ensure full ingestion of the dose

## Advantages

- Broad-spectrum coverage in a single dose
- Effective against both early and mature stages of liver flukes
- Kills roundworms and controls ectoparasites
- Reduces need for multiple separate anthelmintics
- Improves animal weight gain and productivity by reducing parasitic load

## Adverse Effects

- Occasional salivation or soft pheces post-dosing
- Rare hypersensitivity or allergic reactions
- Signs of neurotoxicity in case of Ivermectin overdose
- Triclabendazole is generally well-tolerated

## Precautions

- Use under veterinary supervision only
- Do not administer to severely ill, debilitated, or lactating animals unless permitted by withdrawal period
- Avoid dosing in animals with impaired liver function
- Shake thoroughly before each use
- Use only in species listed on the label
- Ensure accurate weight estimation for correct dosing

## Withdrawal Period

- **Meat and Offal:** Minimum **28 days** after last dose
- **Milk:** Not approved for use in lactating animals producing milk for human consumption unless specifically indicated and approved

## Storage and Handling

- Store below 30 °C in a cool, dry place
- Protect from direct sunlight
- Do not freeze
- Keep container tightly closed
- Keep out of reach of children and unauthorized personnel
- Dispose of unused product and containers responsibly in accordance with local regulations

### **Regulatory Classification / Schedule**

- Veterinary Prescription Drug
- **Schedule H (India)** or similar regulatory classification
- Not to be sold without prescription from a registered veterinary practitioner
- Not for human use

### **HS Code & HSN Code**

- **HS Code (International): 3004.90** – Other medicaments containing two or more constituents
- **HSN Code (India): 3004.90.99** – Veterinary medicaments (others)

*Note: Confirm exact classification with updated customs regulations if used for export/import.*

### **Special Instructions**

- Weigh animals accurately before administration
- Do not mix with other oral treatments unless advised
- Avoid repeated dosing without professional evaluation
- Maintain proper dosing intervals to prevent resistance
- Observe withdrawal periods strictly to avoid drug residues in food products

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

**Q: What is Triclabendazole and what does it treat?**

**A:** Triclabendazole is a benzimidazole derivative anthelmintic that is highly effective against liver flukes in all developmental stages, including immature and mature.

**Q: What is Ivermectin used for in this combination?**

**A:** Ivermectin targets nematodes (roundworms), lungworms, and certain ectoparasites, providing broad antiparasitic coverage.

**Q: Can this product be used in lactating animals?**

**A:** Not recommended unless withdrawal period for milk is approved and clearly stated on the label. Always consult a veterinarian before use in milking animals.

**Q: Can I use this formulation in pigs, horses, or dogs?**

**A:** No. This product is intended for use in ruminants (cattle, sheep, goats, buffaloes). Do not use in other species unless directed by a veterinarian.

**Q: What should I do in case of accidental overdose?**

**A:** Contact a veterinarian immediately. Watch for signs of toxicity such as tremors, drooling, or difficulty in movement.

**Q: How often can this be used?**

**A:** Typically one dose is effective. Do not repeat unless advised by a veterinarian, especially to prevent resistance.

**Q: Does this combination treat tapeworms or coccidia?**

**A:** No. It is not effective against cestodes (tapeworms) or protozoal infections such as coccidiosis.

