

# DOTMEC-C

Ivermectin 10 mg + Clorsulon 100 mg

Injection For Veterinary Use Only

## DESCRIPTION

This sterile injectable combination contains **Ivermectin**, a broad-spectrum endectocide, and **Clorsulon**, a salicylamide compound effective against adult liver flukes. The formulation is specially designed for the **treatment and control of internal and external parasites**, particularly **liver fluke infestations, gastrointestinal roundworms, lungworms, and ectoparasites** like mites, lice, and ticks in cattle and buffaloes.

It provides comprehensive parasitic control in one injection, reducing economic loss and improving animal productivity.

## SPECIFICATION

Each ml of the solution contains:

- Ivermectin IP: 10 mg
- Clorsulon IP: 100 mg
- Benzyl Alcohol IP (as preservative): q.s.
- Water for Injection: q.s. to 1 ml

The solution is clear to slightly yellow, sterile, and oily in nature. Packaged in **10 ml** and **100 ml** vials.

## COMPOSITION

Each ml contains:

- Ivermectin 10 mg
- Clorsulon 100 mg
- Benzyl Alcohol IP (preservative)
- Water for Injection

## CATEGORY

- **Endectocide / Anthelmintic** (Ivermectin – macrocyclic lactone)
- **Flukicide** (Clorsulon – salicylamide derivative)

## ROUTE OF ADMINISTRATION

- Subcutaneous (SC) injection only
- Administer in the loose skin of the neck under strict aseptic conditions

## INDICATION

For the treatment and control of the following parasitic infestations in cattle and buffaloes:

- **Adult liver flukes (*Fasciola hepatica* and *Fasciola gigantica*)**
- Gastrointestinal roundworms (including *Haemonchosis*, *Ostealgia*, *Trichostrongylus*)
- Lungworms (*Dictyocaulus viviparus*)
- Mites (mange), lice, and other ectoparasites

Ideal for use in areas and seasons with high **liver fluke prevalence**.

## PRODUCT FORM

Sterile injectable oily solution for subcutaneous use  
Available in **10 ml** and **100 ml** glass vials

## USAGE & DOSAGE

- Cattle & Buffaloes: **1 ml per 50 kg body weight** by subcutaneous route
- Single dose; repeat only as per veterinarian's advice

*To be administered by or under the supervision of a registered veterinary practitioner.*

## ADVANTAGES

- Broad-spectrum activity: flukicidal, nematocidal, and ectoparasitic
- One-shot control of internal and external parasites
- Improves feed conversion and weight gain
- Prevents parasite-induced production losses
- No need for multiple anthelmintics
- Long-acting with persistent activity

## ADVERSE EFFECTS

- Mild transient swelling at the injection site
- Avoid overdose — neurotoxic signs may occur
- Hypersensitivity reactions are rare but possible
- Use cautiously in weak, severely ill, or heavily parasitized animals

## SCHEDULE & REGULATION

- **Schedule H:** To be sold by retail on the prescription of a registered veterinary practitioner
- **Not for human use**
- **For animal treatment only**

## PRECAUTIONS

- Strictly for subcutaneous use; do not administer intravenously or intramuscularly
- Not for use in animals producing milk for human consumption
- Do not treat animals within 21 days of slaughter
- Avoid use in calves younger than 6 weeks of age
- Do not inject more than 10 ml per site

## WITHDRAWAL PERIOD

- **Meat:** 21 days
- **Milk:** Not to be used in lactating animals producing milk for human consumption

## STORAGE & HANDLING

- Store below 30°C
- Protect from light
- Do not freeze
- Use within 28 days after opening
- Shake well before use
- Keep out of reach of children

## HS & HSN CODE

- **HS Code:** 3004.90.90
- **HSN Code (India):** 30049099

## SPECIAL INSTRUCTIONS

- Ensure accurate body weight measurement before dosing
- Use sterile syringe and needle for each administration
- Maintain proper animal identification and treatment records
- Dispose of unused or expired product safely
- Do not contaminate water sources or the environment with residue or used containers

## **HUMAN VS. VETERINARY APPLICATION**

This formulation is **strictly intended for veterinary use**.

- **Ivermectin** is used in humans for certain parasitic diseases, but the dosage and combination here is not safe for human use
- **Clorsulon** is not approved for human use
- Misuse in humans is illegal and dangerous
- Product labelling must state: "*Not for Human Use – For Animal Treatment Only*"

## **FREQUENTLY ASKED QUESTIONS (FAQs)**

### **What is the role of Clorsulon (CLS)?**

Clorsulon is a flukicide that disrupts the metabolism of liver flukes, particularly *Fasciola* spp.

### **What parasites does Ivermectin (IVM) cover?**

Ivermectin is effective against roundworms, lungworms, mites, lice, and other external/internal parasites.

### **Can this injection be given intramuscularly (IM)?**

No. It is strictly for **subcutaneous (SC)** administration only.

### **What is the withdrawal period (WP)?**

- 21 days for meat
- Not to be used in lactating dairy animals producing milk for human use

### **Can I use it in pregnant animals?**

Consult a veterinarian. Generally safe, but caution is advised in late pregnancy or high-risk animals.

