

# VETOMIL

## Vitamin B-Complex Injection with Liver Extract for Veterinary Use

### Description

This is a multivitamin injectable formulation fortified with liver extract, designed to treat and prevent vitamin B-complex deficiencies in animals. The product combines water-soluble vitamins like **Thiamine (B1)**, **Riboflavin (B2)**, **Niacinamide (B3)**, and **Vitamin B12**, along with **Crude Liver Injection**—a natural source of additional micronutrients and vitamin B12 activity. **Phenol** acts as a preservative to maintain sterility and shelf stability.

### Composition (Per mL) & Specification

- **Thiamine Hydrochloride I.P.:** 10 mg/mL
- **Riboflavin I.P.:** 3 mg/mL
- **Niacinamide I.P.:** 100 mg/mL
- **Vitamin B12 I.P.:** 10 mcg/mL
- **Liver Injection Crude I.P.:** 0.66 mL/mL
  - (Equivalent to 2 mcg/mL Cyanocobalamin activity)
- **Preservative:** Phenol I.P. 0.5% w/v
- **Appearance:** Clear, reddish-brown sterile solution
- **pH:** 4.0 – 5.0
- **Sterility:** Sterile and pyrogen-free
- **Packaging:** 30 mL, 50 mL, 100 mL amber glass vials (standard)

### Indications

- Treatment of B-complex vitamin deficiencies
- General debility, convalescence, and anorexia
- Supportive therapy in anaemia and stress
- Weakness due to parasitic infestations or chronic illness
- Pre- and post-operative recovery
- Liver dysfunction or metabolic stress
- Adjunct in antibiotic therapy or toxin exposure

## **Category**

- Injectable Multivitamin Supplement
- Hematinic & Nutritional Support
- Liver Tonic

## **Dosage and Administration**

- **Cattle, Buffalo, Horses:** 5–10 mL IM/IV daily for 3–5 days
- **Sheep, Goats, Calves:** 2–4 mL IM/IV
- **Dogs, Cats:** 0.5–2 mL IM/SC
- **Poultry (large flocks):** As advised, via drinking water or injection
- **Route:** Intramuscular (IM), Subcutaneous (SC), or slow Intravenous (IV)
- **Frequency:** Once daily or as directed by a veterinarian

## **Product Form**

- **Form:** Sterile injectable multivitamin solution
- **Colour:** Clear reddish-brown
- **Packaging:** 30 mL/50 mL/100 mL glass vials

## **Usage Instructions**

- Shake well before use/ Observe animals for hypersensitivity post-injection
- Use aseptic technique for each dose
- Do not mix with other drugs in the same syringe

## **Advantages**

- Rapid correction of vitamin deficiencies
- Enhanced with liver extract for added hematinic benefit
- Boosts energy, appetite, and recovery
- Safe for multi-species use
- Convenient single-shot support during stress or disease

## **Adverse Effects**

- Mild local irritation or swelling at injection site
- Hypersensitivity or allergic reactions (rare)
- Pain on injection if given too rapidly IV
- Discoloration of urine (due to riboflavin) is harmless

## **Withdrawal Period**

- **Meat:** 7 days
- **Milk:** 3 days
- Observe official regulations for food-producing animals

## **Storage Conditions**

- Store below 25°C
- Protect from light
- Do not freeze
- Keep tightly sealed after opening

## **Handling Precautions**

- Wear gloves during administration
- Avoid contamination of vial
- Dispose of used needles and containers safely
- Keep out of reach of children

## **Special Instructions**

- For veterinary use only
- Not to be used in animals with hypersensitivity to any component
- Avoid overdosing—administer under vet supervision
- Shake well before every use for uniform dispersion

## **HS and HSN Code**

- **HS Code:** 3004.50 (Vitamin-based preparations)
- **HSN Code (India):** 3004.50.90

## **Details of Human and Veterinary Application**

- **Veterinary Use:** Multispecies support in deficiency, stress, recovery
- **Human Use:** Human formulations exist but this veterinary product is **not for human use** due to excipient differences

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

### **Q1: What is this injection used for?**

A: It's used to treat and prevent vitamin B-complex deficiencies, support liver function, and aid recovery from illness or stress.

### **Q2: What is the role of liver extract in this injection?**

A: It naturally boosts vitamin B12 levels and improves appetite and metabolism.

### **Q3: Can this be given to pregnant animals?**

A: Yes, but only under veterinary guidance.

### **Q4: What if the urine turns yellow after injection?**

A: That's normal and caused by Riboflavin (B2); it's harmless.

### **Q5: Is this safe for all animals?**

A: Yes, with species-specific dosing under vet supervision.