

# MULTICOM

## (Multivitamin Injection (Mixed Vitamins) For Veterinary Use)

### Description

This **sterile injectable multivitamin formulation** offers a broad-spectrum blend of **essential water- and fat-soluble vitamins** that support **overall animal health**, especially during times of **stress, deficiency, illness, or recovery**. The 10 ml **ampule** ensures precise, single-use administration, reducing contamination risk while delivering immediate nutritional support.

### Composition (per mL approx.)

- **Vitamin A I.P.**
- **Vitamin D3 I.P.**
- **Vitamin E I.P.**
- **Vitamin B1 (Thiamine Hydrochloride)**
- **Vitamin B2 (Riboflavin Sodium Phosphate)**
- **Vitamin B6 (Pyridoxine Hydrochloride)**
- **Vitamin B12 (Cyanocobalamin)**
- **Nicotinamide, D-Panthenol, other B-Complex vitamins**
- **Sterile Water for Injection – q.s. to 1 mL**

*(Exact concentrations may vary slightly depending on manufacturer specs.)*

### Category

**Injectable Multivitamin Supplement** – for general metabolic, nutritional, and therapeutic veterinary use.

### Specifications

- **Form:** Sterile aqueous solution
- **Colour:** Light yellow to amber (due to riboflavin)
- **Container:** 10 ml single-use **glass ampule**
- **Sterility:** Complies with I.P. / USP standards

## Indications

- **Vitamin deficiency correction and prevention**
- Support during **illness, infection, and post-surgery recovery**
- Boosts **energy, metabolism, fertility, and immunity**
- Helps during **transportation stress, weather shifts, dietary gaps**
- Enhances **growth and overall animal performance**

## Dosage & Route of Administration

- **Cattle, Horses:** 5–10 mL
- **Sheep, Goats, Pigs:** 2–5 mL
- **Dogs, Cats:** 0.5–2 mL
- **Route:** IM (Intramuscular) or SC (Subcutaneous)
- **Frequency:** Once a week or as advised by veterinarian
- **Pack Size:** 10 ml ampule (single-use only)

## Product Form

- **Sterile aqueous injectable**
- **10 ml amber glass ampule**
- Single-use only – discard after opening
- Requires ampule breaker or file for opening

## Usage & Advantages

- **Quick replenishment** of essential vitamins
- Excellent for **supportive therapy** during illness
- Ideal for use in **pregnant, lactating, or growing animals**
- **Safe and compatible** with most other veterinary therapies
- Single-use ampule ensures **maximum sterility** and no contamination

## Adverse Effects

- Mild injection site swelling (rare)/ Hypersensitivity extremely uncommon
- Overdose of fat-soluble vitamins may cause **toxicity** – dose carefully

### **Withdrawal Period**

- **Meat:** 3 days
- **Milk:** 1 day

Follow vet advice or local regulatory standards

### **Storage & Handling**

- Store at **15°C–25°C**, away from light
- **Do not freeze**
- Use immediately after opening ampule
- Discard unused solution – **do not reuse ampule**

### **Precautions**

- Veterinary use only
- Do not mix with other injectables in the same syringe
- Do not use if solution is discoloured or cloudy
- Use sterile syringe & needle every time
- Keep out of reach of children

### **HS and HSN Codes**

- **HS Code:** 30045090
- **HSN Code:** 3004

### **Human & Veterinary Application**

- For **animal use only**
- Not for human consumption or administration
- Avoid direct skin or eye contact; wash thoroughly if exposed

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

- **Q1: Can I reuse the ampule later?**  
No, ampules are single-use only. Discard any leftover solution after opening.
- **Q2: How is this different from a vial?**  
Ampules are sealed glass containers meant for one-time use — no rubber stopper like vials.
- **Q3: Can it be used during pregnancy or lactation?**  
Yes, it's often used to support reproductive health, but always under veterinary supervision.
- **Q4: Should I inject it IM or SC?**  
Both routes are safe. Your vet will choose based on species and condition.
- **Q5: Does it need refrigeration?**  
No. Just store in a cool, dark place — **15–25°C** is ideal.

