

DOT - PLEX

(B-Complex Injection (Vitamin B1 + B2 + B6 + Mixed Vitamins) For Veterinary Use)

Description

This sterile injectable **B-Complex formulation** provides a blend of essential **water-soluble B-group vitamins**, including **Thiamine (B1)**, **Riboflavin (B2)**, **Pyridoxine (B6)** and other key micronutrients. It is designed to support **energy metabolism, nerve function, appetite stimulation, and recovery** in animals under stress, illness, or deficiency conditions. Ideal for use across a range of species in both therapeutic and supportive roles.

Composition (per mL approx.)

- **Vitamin B1 (Thiamine Hydrochloride)** – Standard I.P. dose
- **Vitamin B2 (Riboflavin Sodium Phosphate)** – Standard I.P. dose
- **Vitamin B6 (Pyridoxine Hydrochloride)** – Standard I.P. dose
- **Other B-Group Vitamins** – Nicotinamide, Pantothenic acid, etc.
- **Sterile Water for Injection** – q.s. to 1 mL

Note: Exact concentrations may vary by manufacturer specifications.

Category

Injectable Vitamin Supplement – B-complex formulation for general veterinary use.

Specifications

- **Form:** Sterile aqueous injectable solution
- **Colour:** Light yellow to amber (due to riboflavin)
- **Odour:** Slight vitamin-like odour
- **pH:** Adjusted to safe physiological range
- **Pack Size:** 30 ml multi-dose vial

Indications

- Treatment & prevention of **Vitamin B deficiencies**
- Support during **fever, stress, disease recovery, and fatigue**
- Aids **neuromuscular health**, appetite, and digestion
- Enhances **performance and metabolism** in growing or working animals
- Used in **post-antibiotic therapy** to replenish gut flora and nutrients

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 daily or as directed by veterinarian
- **Pack size:** 30 ml vial

Product Form

- **Sterile aqueous solution**
- Supplied in **30 ml amber glass multi-dose vial**
- Rubber stopper with aluminium seal

Usage & Advantages

- Stimulates **appetite and energy levels**
- Corrects **neurological signs due to B-vitamin deficiency**
- Enhances **growth, recovery, and immune support**
- Safe and well-tolerated across all species
- Can be used as **supportive therapy** during infections, metabolic stress, or debility

Adverse Effects

- Rare: Mild pain or swelling at injection site
- Hypersensitivity reactions are uncommon/ Follow dosage strictly to avoid overdose
- High doses of certain B vitamins may cause **transient hypotension**

Withdrawal Period

- **Meat:** 0–3 days (*depending on species & regional guidelines*)
- **Milk:** 0–1 day (*if applicable*)

Storage & Handling

- Store at **15°C to 25°C**
- Protect from **light and freezing**
- Shake well before use if settling occurs
- Use sterile needle & syringe for each withdrawal
- Discard vial if contaminated or expired

Precautions

- For **veterinary use only**
- Not to be used in animals with known hypersensitivity to B-complex components
- Use under proper **veterinary guidance**
- Do not use if solution shows discoloration or precipitate

HS and HSN Codes

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

Human & Veterinary Application

- Strictly intended for **animal use only**
- Not suitable for human administration
- Avoid contact with open skin or mucous membranes

? Frequently Asked Questions (FAQs)

- **Q1: What is B-complex used for in animals?**
It helps correct vitamin B deficiencies, supports metabolism, appetite, and nerve function.
- **Q2: Can it be given daily?**
Yes, depending on the condition and vet's advice, it can be given daily or as needed.
- **Q3: Is it suitable for weak or recovering animals?**
Absolutely — it's often part of **supportive care** during recovery or weakness.
- **Q4: Can it be mixed with other injectables?**
Ideally, it should be administered separately unless vet-prescribed for compatibility.
- **Q5: Any storage precautions?**
Yes, store in a cool, dark place. Do not freeze. Use sterile technique always.

