

# VITA - A

## VITAMIN-A I.P. (As Palmitate) 300,000 I.U INJECTION

### FOR VETERINARY USE ONLY

#### **Description**

A sterile, oily injectable solution containing high-potency Vitamin-A (as Palmitate) combined with Chlorbutol as a preservative. The solution appears yellow to pale amber, clear, and free from visible particles. It is intended for veterinary use only in the management and prevention of vitamin A deficiency and related clinical conditions in animals. Supplied in sealed 2 mL glass ampoules. For veterinary use only. Not for human use.

#### **Specifications**

- Vitamin-A I.P. (as Palmitate): 300,000 I.U. per mL
- Chlorbutol I.P.: 1% w/v
- Sterile and pyrogen-free
- Conforms to Indian Pharmacopoeia (I.P.) quality standards
- Free from particulate matter or phase separation
- Stable under recommended storage conditions
- No abnormal Odor, turbidity, or discoloration

#### **Composition and Excipients**

Each mL ampoule contains:

- Vitamin-A I.P. (as Palmitate) — 300,000 International Units (Total 6Lac Unit In 2mL)
- Chlorbutol I.P. — 1% w/v
- Oil base (e.g., refined sesame, peanut, or soybean oil) — q.s. to 2 mL

Excipients may include antioxidants and stabilizers required for formulation integrity.

## **Product Form**

- Sterile oily injectable solution
- 2 mL ampoule
- Single-use, non-reusable

## **Indications**

- Treatment and prevention of Vitamin A deficiency
- Nutritional support during pregnancy, lactation, growth phases, and stress
- Improvement of skin, coat, mucous membranes, and vision
- Adjunct therapy in wound healing and epithelial repair

## **Dosage and Route of Administration**

To be administered under the supervision of a licensed veterinarian.

- **Route:** Intramuscular (IM) preferred. Subcutaneous (SC) may be used if tolerated.
- **Dose:** Depends on animal species, size, and clinical condition.

Typical range:

- Large animals: 2 mL per dose
- Small animals: 0.5 to 2 mL per dose

Repeat dosing only as directed by a veterinarian.

## **Usage and Advantages**

- Fast correction of deficiency states
- Long-acting depot effect due to oil-based formulation
- Supports epithelial health, immunity, and reproductive function
- Preserved with Chlorbutol for improved safety and stability

## **Adverse Effects**

- Local site irritation, swelling, or pain
- Overdose may lead to signs of hypervitaminosis A (stiffness, appetite loss, lethargy, skeletal changes)/ Risk of fetal toxicity if given in excess during pregnancy
- Hypersensitivity reactions may occur in rare cases

## **Precautions**

- Do not exceed recommended dosage
- Use with caution in pregnant animals
- Not for intravenous administration
- Maintain aseptic technique during administration
- Observe withdrawal period in food-producing animals
- Do not inject into inflamed or infected tissue

## **Withdrawal Period**

Withdrawal periods for meat and milk vary by country and species.

Verify current guidelines before use in food-producing animals.

Oil-based vitamin injections may require a withholding time of several days.

## **Storage and Handling**

- Store at 15°C to 30°C in a dry, dark environment
- Do not refrigerate or freeze
- Protect from direct heat and sunlight
- Use immediately after opening ampoule
- Discard unused product safely
- Keep away from children and unauthorized persons

## **HS / HSN Code**

- Classified under veterinary medicinal preparations
- HSN Code (India): Typically falls under 3004 or 3006 categories
- Confirm with local GST/customs authorities for accuracy

## **Special Instructions**

- Do not mix with other injectable products
- Inspect solution before use — discard if cloudy or discoloured
- Use only sterile equipment/ Administer only under professional veterinary guidance
- Dispose of ampoule and sharps as per biohazard waste protocols

## **Veterinary and Human Use Clarification**

This product is intended for **veterinary use only**.

It is not approved, recommended, or safe for human use under any circumstances.

Formulation, dosing, and safety profiles are specific to animals.

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

#### **Is this injection suitable for all animals?**

No. Use only in species for which it is prescribed by a veterinarian.

#### **Can it be given during pregnancy?**

Only under veterinary supervision. High doses can be harmful to unborn animals.

#### **Why is Chlorbutol included?**

It serves as a preservative to ensure sterility during storage and handling.

#### **How often should this injection be given?**

As directed by a veterinarian. Repeated dosing without medical advice is unsafe.

#### **Does this product require refrigeration?**

No. Store at room temperature. Do not freeze or expose to heat.

#### **Can I administer this injection myself?**

Only if specifically instructed and trained by a veterinarian.

