AD3E

Vitamin-A I.P. (As Palmitate)-250,000 I.U + Vitamin-D3 I.P.-25,000 I.U + Vitamin-E (Di-Alpha-Tocopheryl Acetate I.P.)-100 I.U+ Vitamin-H (Biotin)-12.5 mcg

Injection for Veterinary Use

🧪 Description

A sterile, oily injectable solution combining fat-soluble vitamins essential for the maintenance of health and metabolic functions in animals. The solution is typically clear to pale yellow, free from visible particles, and formulated in a sesame oil base with benzyl alcohol as a preservative. Used in veterinary medicine to prevent and treat vitamin deficiencies and support overall animal health. Supplied in sealed 10 mL ampoules for veterinary use only.

🔍 Specifications

- Vitamin-A I.P. (as Palmitate): 250,000 I.U. per dose
- Vitamin-D3 I.P.: 25,000 I.U. per dose
- Vitamin-E (as dl-alpha-Tocopheryl Acetate I.P.): 100 I.U. per dose
- Vitamin-H (Biotin): 12.5 mcg per dose
- Benzyl Alcohol B.P.: 2% w/v (preservative)
- Sesame Oil U.S.P.: q.s. (quantity sufficient) as vehicle
- Sterile and pyrogen-free
- Complies with relevant pharmacopeial standards

⚙️ Composition and Excipients

Each 10 mL ampoule contains:

- Vitamin-A (as Palmitate) I.P. — 250,000 I.U.
- Vitamin-D3 I.P. — 25,000 I.U.
- Vitamin-E (dl-alpha-Tocopheryl Acetate) I.P. — 100 I.U.
- Vitamin-H (Biotin) — 12.5 mcg
- Benzyl Alcohol B.P. — 2% w/v
- Sesame Oil U.S.P. — quantity sufficient to 10 mL

Product Form

- Sterile oily injectable solution
- Supplied in single-dose 10 mL Vials

Indications

- Prevention and treatment of vitamin A, D3, E, and biotin (H) deficiencies in animals
- Supports metabolic functions, skin and coat health, bone development, and immune function
- Useful during periods of rapid growth, pregnancy, lactation, and recovery from illness

Dosage and Route of Administration

Administer under veterinary supervision.

- **Route**: Intramuscular (IM) or subcutaneous (SC) injection
- **Dosage**: According to species, weight, and clinical need
- Typical dosage volume to be prescribed by a veterinarian

Usage and Advantages

- Provides balanced supplementation of fat-soluble vitamins
- Long-lasting depot effect due to sesame oil vehicle
- Benzyl alcohol preserves sterility and shelf-life
- Supports multiple physiological functions simultaneously

Adverse Effects

- Local irritation or inflammation at the injection site
- Allergic reactions are rare but possible
- Overdose may cause hypervitaminosis symptoms, especially vitamin A and D toxicity

Precautions

- Use only as directed by a licensed veterinarian/ Use aseptic technique
- Avoid overdosing, especially of fat-soluble vitamins
- Not for intravenous administration/ Observe withdrawal period in food-producing animals

⏳ Withdrawal Period

Check local regulations; withdrawal times vary depending on species and product usage.

📦 Storage and Handling

- Store at 15°C to 30°C away from light and heat
- Do not freeze
- Use sterile equipment and aseptic technique
- Discard unused portion safely

🔒 HS / HSN Code

- Typically classified under veterinary vitamin preparations
- Confirm HSN codes as per local customs and GST guidelines may be 3004

🩹 Special Instructions

- Do not mix with other injectable products unless authorized
- Inspect solution before use; do not use if cloudy or discoloured
- Administer only under veterinary advice

👥 Veterinary and Human Use Clarification

For veterinary use only. Not intended or safe for human use.

❓ Frequently Asked Questions (FAQs)

What animals can receive this injection?
Only animals diagnosed with vitamin deficiencies by a veterinarian.

Can this injection be used in pregnant or lactating animals?
Yes, but only under veterinary supervision to avoid overdose.

Why is benzyl alcohol included?
It acts as a preservative to maintain sterility.

How is this injection administered?
Intramuscular or subcutaneous injection by a trained professional.

Is refrigeration required?
No, store at controlled room temperature away from direct light.