

DOTISTROL

Diethylstilboestrol U.S.P.-10 mg Injection for Veterinary Use

Description

Diethylstilboestrol (DES) is a **synthetic non-steroidal estrogen** used in veterinary practice for **hormonal regulation**, especially in large animals. This sterile oily injection contains **10 mg/mL of DES**, formulated in an **oily vehicle** to ensure prolonged action. It is particularly effective in **estrus induction, management of reproductive disorders**, and selected therapeutic interventions under strict veterinary supervision.

Composition (per mL)

- **Diethylstilboestrol U.S.P.** – 10 mg
- **Oily Base I.P.** – q.s. to 1 mL (*sterile, long-acting carrier*)

Category

Synthetic Estrogenic Hormonal Agent – used for **reproductive management and estrogen therapy** in livestock.

Specifications

- **Form:** Sterile oily solution
- **Colour:** Clear, pale yellow to light amber
- **Vehicle:** Oil-based for sustained release
- **Sterility:** Complies with USP injectable standards
- **Presentation:** 10 ml multi-dose amber vial with rubber stopper and aluminium seal

Indications

- **Induction of estrus** in anoestrous animals
- Treatment of **retained placenta, pyometra, or metritis**
- Management of **urinary incontinence** (in dogs, off-label)
- Hormonal therapy in certain **postpartum complications**
- **Growth promotion** (not recommended in many jurisdictions)

Dosage & Route of Administration

- **Cattle/Buffalo:** 5–10 mg per animal (0.5–1 mL)
- **Dogs (if applicable):** 0.1–0.5 mg/kg (use with extreme caution)
- **Route:** Intramuscular (IM) injection only
- **Frequency:** As directed by veterinarian — typically a single dose or short course
- **Pack Size:** 10 ml multi-dose vial

Product Form

- **Sterile oily injectable solution**
- Supplied in **10 ml amber glass vial**
- Multiple-dose vial with resealable rubber stopper


Usage & Advantages

- Reliable **estrogenic response** in target animals
- Long-acting due to oily formulation
- Effective in treating **certain reproductive dysfunctions**
- Assists with **estrus induction protocols**
- Supports hormonal balance in **non-cycling females**

Adverse Effects

- **Prolonged estrus, infertility, or ovarian cysts** with misuse
- **Bone marrow suppression** (esp. in small animals with chronic use)
- **Increased risk of neoplasia** with long-term or repeated dosing
- **Use in food-producing animals is banned/restricted** in many countries

Withdrawal Period

- **Meat & Milk:** *Usage may be prohibited or require extended withdrawal periods*
 Always check **local regulations** or consult a licensed veterinarian.

Storage & Handling

- Store below **25°C**
- Protect from **light and freezing**
- Shake gently before use
- Use sterile syringe for each withdrawal
- Discard unused product after expiry or contamination

Precautions

- For **veterinary use only**
- Administer **only under veterinary supervision**
- **Not for use in animals intended for human consumption** in many jurisdictions
- Handle with **gloves** — avoid skin contact
- **Pregnant women** should avoid handling this product

HS and HSN Codes

- **HS Code:** 30049099
- **HSN Code:** 3004

Human & Veterinary Application

- Strictly **veterinary only**
- **Not for human use** – accidental exposure should be avoided
- Use in **companion animals** should be limited and justified

? Frequently Asked Questions (FAQs)

- **Q1: What is Diethylstilboestrol used for in animals?**
It is a synthetic estrogen used to regulate estrus, treat reproductive issues, or manage hormonal imbalances.
- **Q2: Can it be used in food animals?**
No. Use in food-producing animals is banned in many countries due to carcinogenic potential and residue concerns.
- **Q3: Is DES safe in dogs?**
It may be used in very low doses for urinary incontinence, but only under strict veterinary supervision due to potential toxicity.
- **Q4: How is it stored?**
Keep in a cool, dry place away from sunlight. Do not refrigerate or freeze.
- **Q5: Any handling precautions?**
Yes, always wear gloves. Pregnant women should avoid handling the product.

