

GONADIOL

Introduction:

GONADIOL is a synthetic derivate of 17 β Estradiol, a hormone synthesized by the ovarian follicle, developed to optimize reproductive results in bovines treated with progestagens.

Action:

The use of Estradiol Benzoate at the moment of the progestagen administration (considered as day 0) produces a new follicular wave; the administration of Estradiol Benzoate at the moment of progestagen extraction induces a LH preovulatory peak through the positive feedback of estradiol over GnRH and LH which results in a high synchronicity of ovulations.

Formula:

Estradiol Benzoate.....100 mg

Excipients.....e.q. 100 ml

Species which the veterinary medicinal product is intended for:

Cows.

Therapeutic indications:

- Complement in estrus induction and synchronization with progestagens.
- Complement in silent estrus and postpartum anestrous treatment.
- Complement in estrus induction and synchronization with prostaglandins.

Dosage:

Indication	EB mL before progestagen administration	EB mL after progestagen administration
Postpartum anestrous	0	1
Silent estrus	2	0
Estrus synchronization	2	1

Route of administration:

Intramuscular injection

Toxicity data:DL₅₀ (mouse) SC = 1000 mg/kgDL₅₀ (mouse) IP= 1000 mg/kg**Pharmaceutical form:**

Oil based injectable solution

Commercial presentations:

-Vial containing 50 ml of Estradiol Benzoate 1 mg/ml

-Vial containing 100 ml of Estradiol Benzoate 1 mg/ml

Withdrawal period:

MEAT: 0 days.

MILK: 0 days.

Precautions:

- Store below 30°C (room temperature), protected from light. Do not freeze.
- In transport, should be kept in a cool, dry place and protected from light.
- No special care is required in the destruction of the container.

PRODUCT USE FOR REPRODUCTION MANAGEMENT**VETERINARY USE ONLY****KEEP OUT OF REACH OF CHILDREN****Manufactured by:****SYNTEX S.A.**

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