

# THERMO

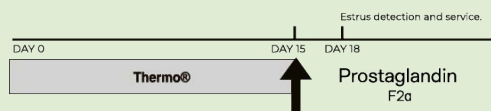


Laboratorio  
**FUNDACION**  
ciencia y tecnología farmacéutica

Synthetic progesteren for mares.

## INDICATIONS

**Thermo**<sup>®</sup> is indicated to regulate estrus during the post-winter transition phase when there is an ovarian follicle measuring 15 to 20 mm, detectable by palpation or ultrasound. It should be administered for 14 days, and on day 15, prostaglandin F2 $\alpha$  (PG F2 $\alpha$ ) is applied, with estrus reappearing on days 17-18.



Another indication is estrus synchronization in cyclic mares, as well as uterine tone improvement and preservation of pregnancy in mares suspected of primary and/or secondary luteal insufficiency, which should be confirmed through progesterone testing.

In cases of pregnant mares suffering from colic, endotoxemia, laminitis, pododermatitis, chronic pain, long-distance transport, among other factors, there is a potential for the release of high doses of endogenous prostaglandin F2 $\alpha$  (PG F2 $\alpha$ ), leading to luteolysis and a reduction in progesterone production, along with its consequences. **Thermo**<sup>®</sup> is an appropriate indication for replacing the potential deficit of endogenous progesterone in these cases.

**Thermo**<sup>®</sup> is a pharmacological tool used to suppress estrus and achieve cervical closure once ovulation has occurred, while the symptoms of heat are still present. This is particularly useful in mares or young fillies in high-level competition. **Thermo**<sup>®</sup> suppresses estrus at the beginning of it, an objective achieved 36 to 48 hours after the start of its administration. The use of **Thermo**<sup>®</sup> not only suppresses estrus but also stabilizes hormonal fluctuations that occur during it and mitigates the adverse effects of heat in competing fillies. Advantages over injectable progesterones include:

1. Its use does not interfere with endogenous progesterone values (of luteal origin). Therefore, during its administration, it is possible to perform serial serum progesterone testing to detect its return to normal levels and discontinue the medication.
2. **Thermo**<sup>®</sup> can be easily administered through a non-invasive method.
3. **Thermo**<sup>®</sup> does not cause inflammations or abscesses that would render the animal unfit for training or work.
4. **Thermo**<sup>®</sup> is optimal for mares and fillies in training, as previously mentioned. Treated mares do not experience a reduction in their fertility.

## COMPOSITION

Each 100 ML contains:  
Altrenogest..... 0.22 G  
Oleaginous Vehicle.... q.s

## COLLATERALEFFECTS

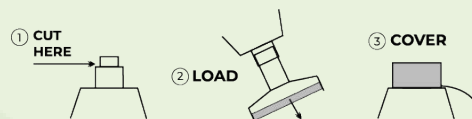
Altrenogest can increase the ventilatory response of respiratory centers to CO<sub>2</sub>, leading to a reduction in arterial and alveolar partial pressure of this gas (PCO<sub>2</sub>). It may cause drowsiness due to a certain depressant effect on the central nervous system (CNS). It can also modify insulin values.

**Contraindications:** Do not administer to males. Do not administer to females with uterine infections (endometritis).

## DOSAGE

Oral route.

The dose is 0.044 mg of altrenogest per kg, once daily at approximately the same time. A 10 ml measure is the dose for a 500 kg mare, administered using a syringe, by cutting the tip of the container and following the steps as indicated below:



"It's important to avoid underdosing due to spills during administration. If necessary, **Thermo**<sup>®</sup> can be administered up to 180 days of gestation (when serum progesterone falls below normal average values: 4 ng/ml), at which point placental progesterone begins to take over.

1. Ladaga GJB, Ferraro G, Pont-Lezica F, Iribarren P, de Erausquin G.; Comparativa del efecto clínico de dos formulaciones de altrenogest en yeguas SPC en producción; 14TH Cong W.E.V.A.; Guadalajara, Mexico; (8 - 10 Oct; 2015)



# Thermo<sup>®</sup>



Synthetic progesteren for mares.

## WARNINGS

**Thermo**<sup>®</sup> must be administered at the doses and frequencies determined by the attending Veterinarian. Do not administer to animals intended for human consumption. It should not be handled without gloves. Skin contact in women can lead to anovulation and menstrual cycle disorders. Pregnant women or those suspected of being pregnant should avoid contact with the drug. Poisoning in men: in case of skin contact, immediately wash with plenty of water. In case of accidental ingestion, DO NOT INDUCE VOMITING and seek immediate medical attention with the product.

## PRESENTATION

1000 ml bottle with an easy-to-use cap for dosing.

Available by prescription only.

Detailed technical information is available to the Veterinarian.



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