

# When everything is at stake, trust Regu-Mate<sup>®</sup>

# Properly managing a mare's hormones is critical for your clients — from the breeding shed to the show ring.

Regu-Mate suppresses estrus in 95 percent of mares after three days of treatment. When treatment is discontinued, mares return to estrus within four to five days.

# **Trust Regu-Mate to:**

- Help alleviate behavior associated with estrus
- Induce cycles in transitional mares for early-season breeding
- Sync estrous cycles for embryo transplant
- Suppress estrus in postpartum mares to help increase fertility
- Efficiently manage semen handling
- Decrease shipping costs
- Reduce number of collections





# Only Regu-Mate is Regu-Mate. Don't leave anything to chance.

	Regu-Mate
Extensive research and development required	$\checkmark$
Drug metabolism and interaction studies	$\checkmark$
Dose response model to determine safe and hazardous levels	$\checkmark$
Mutagenicity and carcinogenicity assessments	$\checkmark$
Target animal safety to determine toxicity levels	$\checkmark$

## **Regu-Mate – Tried and tested.**

- More than 200 clinical trials conducted to determine safety and efficacy
- More than 30 years of practical use in the field
- More than 20 million doses sold

### regu-mate.com

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## We're for the Horse'

Talk to your veterinarian about proper use and safe handling of Regu-Mate. Avoid skin contact. Always wear protective gloves when administering Regu-Mate. This product is contraindicated for use in mares with a previous or current history of uterine inflammation. Pregnant women, or women who suspect they are pregnant, should not handle this product. For complete product information, see accompanying product insert.

556 Morris Avenue • Summit, NJ 07901 • merck-animal-health-usa.com • 800-521-5767 • Copyright © 2013 Intervet Inc., d/b/a Merck Animal Health, a subsidiary of Merck & Co., Inc. All rights reserved. Photography: Vince Cook. 49877 7/13 EQ-BIO-1229

#### Regu-Mate (altrenogest)

#### Solution 0.22% (2.2 mg/mL)

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian. DESCRIPTION: Regu-Mate® (altrenogest) Solution 0.22% contains the active synthetic progestin, altrenogest. The chemical name is 17c allb/178-hydroxyestra-4.9.11.trien-3.one. The CAS Registry Number is SSO-52.2. The chemical structure is: CH, ST...CH CH=CH

Each mL of Regu-Mate® (altrenogest) Solution 0.22% contains 2.2 mg of altrenogest in an oil solution.

ACTIONS: Regu-Mate® (altrenogest) Solution 0.22% produces a progestational effect in mares.

o , ater NOCATIONS: Regu Mate® (altrengest) Solution 0.22% is indicated to suppress estrus in mares. Suppression of estrus allows for a predicable occurrence of estrus following drug withfrawal. This facilitates the attainment of regular opticity during the transition from winter marks to the physicological breading assens. Suppression of estrus will also facilitate management of prolongied estrus conditions. Suppression of estrus may be used to facilitate scheduled treeding during the physicologial treeding assense.

CONTRAINSICATIONS: Begs-Matel/ plateorgest/ Solution 0.22% is contraincicated for use in marse having a pervisos or current habury of uterine information (u.e. avidus subsolute, or chrone endometricit). Rularel or synthesis gestagen therapy may exacetate existing low-grade or "smoldering" uterine inflammation into a fulminating uterine infection in some instances.

PRECAUTIONS: Various synthetic progestins, including altrenogest, when administered to rats during the embryogenic stage of pregnancy at doses manyfold greater than the recommended equine dose caused fetal anomalies, specifically maculinization of the female senitalia

 
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 While wanting protective gloves, remove shipping cap and seal; replace with enclosed plastic dispersing cap. Remove over fronti dispensing to an enclosed plastic dispersing cap. Remove over fronti dispensing to an enclosed plastic dispersing cap. Remove over fronti dispensing to an enclosed plastic dispersing cap. Remove over fronti dispensing to an enclosed plastic dispersing cap. Remove over fronti dispensing to an enclosed plastic dispersion di dispersindi dispersion dispersindi dispersion dispersion di di 880 990 1100

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 0.22%: Extensive clinical trials have demonstrated that estrus will be suppressed to the level of ovarian activity when the post-treatment response depended on the level of ovarian activity when the post-treatment response depended on the level of ovarian activity when the suppressed treatment, these marse reburn to estrus. Bour to five days following treatment and continue to cycle normally.

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L en mares in the transition phase between winter anestrus and the summer breeding season depended gere of foliaciar activity. Mares with inactive ovaries and small foliaties fielded to respond with normal cycles get the season of the se

SPECIFIC USES FOR RELIMANCES (altrengest) SOLUTION 0.22%: SUPPRESSION OF ESTIVE TO: The second secon

mare for breeding. In scheduled breeding of mares during the physiological breeding season. To permit scheduled breeding, mares sch are regularly cycling or which have active oration Incrition should be given Regu-Matel® (attrongest] Solution (2) daily in (15 concervict edges beginning 20 daips before the date of the planned estus. Solutiation will occur 5 days following the onset of estus as expected for nontreated mares. Breeding should follow usual procedures mares in estus. Mateling and a scheduled ettime individually or in grups.

The marks in eartic, waters may be regulated and scheduled enter individually of regious. **ADDITIONAL INFORMATION:** A 3-year indication controlled reproductive safety study water conducted in 27 pregnant marks, and compand with 24 unretended control narks. Treated marks received 2 nut. Regul-Mattelly atternoged Solution The 21-12 provides in the following galaxy and the study of the study 20 to day 325 of galaxies. 1. In filly ordspring (all ages) of treated marks, citeria size was increased. 2. Riv discripting minimum data for study and the study in the study of the study 325 of day 325 of galaxies. 3. There were no significant differences in <u>reproductive performance</u> between treated and untreated animals (marks & their respective differing marks right for following parameters: • intervel from Field. 15 first ovalution, in marks only. • fibries and the marks only.

- interval from Feb. 1 to first ovulation, in marces only. mean intervolutiony interval from first to second cycle and second to third cycle, marces only. follice isze, marces only. at 50 days gestation, pregnancy rate in treated marces was 81.8% (9/11) and untreated marces was 100% (4/4).
- r 3 cycles, 11/12 treated mares were pregnant (91.7%) and 4/4 untreated mares were pregnant . .
- (4/ vi) after 3 opties, 11/12 treated mares were pregnant (91./%) and v/ \* unresponse market (100%). Cold dispring of treated and control mares reached puberty at approximately the same age (82 & 84 weeks control dispring of treated and control mares reached puberty at approximately the same age (82 & 84 weeks control dispring of treated and control mares reached puberty at approximately the same age (82 & 84 weeks control dispring of treated and control mares reached puberty at approximately the same age (82 & 84 weeks control dispring of treated and control mares reached puberty at approximately the same age (82 & 84 weeks)
- respectively). stallion offspring from treated and control mares showed no differences in seminal volume, spermatozoal concentration, spermatozal motility, and total sperm per ejaculate. stallion offspring from treated and control mares showed in offference in sexual behavior. testicular height, width & length) were the same between stallion offspring of treated and control mares.

REFERENCES. Schmalter, C.F. E.L. Souires, and R.K. Shideler. 1999 Safety of Altrenogest in Pregnant Mares and on Health and Schwalter, or Offschnief, E.Q. Vet, Sci. (B): No. 2: 659-72. Sariers, E.L., R.K. Shideler, and A.D. McKinnon. 1989 Reportuditive Performance of Offspring from Mares Administered Altrenogest During Gestation. Eq. Vet. Sci. (9): No. 2: 73-76.

WARNING: Do not use in horses intended for food.

HUMAN WARNINGS: Skin contact must be avoided as Regu-Mate@ (altrenogest) Solution 0.22% is readily absorbed through unbroken skin. Protective gloves must be worn by all persons handling this product. Pregnant women or women who suspect they are pregnant should not handle Regu-Mate@ (alternogest). Solution 0.22% Women of child bearing age should excrise exterme cation when handling this product.

Accidental absorption could lead to a disruption of the menstrual cycle or prolongation of pregnancy. Direct contact with the skin should therefore be avoided. Accidental spillage on the skin should be washed off immediately with scap and water.

INFORMATION FOR HANDLERS: WARNING: Regu-Mate© (altrenogest) Solution 0.22% is readily absorbed by the skin. Skin contact must be avoided: protective gloves must be worn when handling this product.

Effects of Overceptoner: There has been on human use of this specific product. The information contained in this section a exceptoieted from data available on other products of the same pharmacological class that have been used in humans. Effects anticipated are due to the progressional activity of attractional schule of the same pharmacological class that have angle exposure are possible; however, continued daily exposure has the potential for more untowed effects suff a product product the same section of the same

- numars or a chronic casis.
  Peoplet With SetUDL NOT HANDLE THIS PRODUCT.
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ACCENTAL EXPOSIBLE Alterogets is readily absorbed from contact with the skin. In addition, this oil based product can penetrate prorus gloves. Alterogets should not penetrate inggar tubber or imperious gloves, however, there is leaking (i.e., pinnole, spillage, t.e.), the containitiated area covered by such occlusive materiates may have increased absorption. The following messures are recommended in case of accidental exposure.
Sint Exposure: What immediately this with plenty of water for 13 minutes. Get medical attention.
Explandance, Do minute induce voming, Reg-Alweel (attenges) Solution 0.221 contains an oil. Call a physician.
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CAUTION: For oral use in horses only. Keep this and all medication out of the reach of children

Store at or below 25°C (77°F).

#### NADA# 131-310. Approved by FDA.

HOW SUPPLIED: Regu-Mate® (altrenogest) Solution 0.22% (2.2 mg/mL). Each mL contains 2.2 mg altrenogest in an oil solution. Available in 1000 mL plastic bottles.

\* IIS Patents 3 453 267: 3 478 067: 3 484 462

Manufactured by: DPT Laboratories, San Antonio, TX 78215

Distributed by: Intervet Inc., Millsboro, DE 19966

