

Suprelorin® F

(deslorelin acetate) **IMPLANT**

Simply. Effective.

Manage pet ferret
adrenal cortical disease with a
SINGLE ANNUAL IMPLANT



NOT APPROVED BY FDA — Legally marketed as an FDA Indexed Product under MIF 900-013.
FOR USE IN FERRETS ONLY. Extra-label use is prohibited. This product must not
be used in animals intended for use as food for humans or other animals.

Shaping the future of animal health

Virbac

Adrenal cortical disease (ACD) affects approximately 70% of pet ferrets in the US.¹

- Common in domestic ferrets 3 years of age and older, but can occur at any age²
- Affects quality of life for the pet, can be debilitating²⁻⁴
- Potentially fatal if left untreated²⁻⁴

Factors contributing to ACD in domestic ferrets.³

Neutering at an early age:

removes the source of the sex hormones (estrogen and testosterone), which in turn removes the natural inhibition of the pituitary gland's hormone production

Long light cycles (>8 hours):

stimulates production of gonadotropin-releasing hormone (GnRH) and luteinizing hormone (LH)

Genetic predisposition:

ACD can be the result of common breeding practices in the US

! Surgery can be expensive and carries greater risk for complications.²



5 reasons to consider the SUPRELORIN F Implant.

Effective

Reduces clinical signs of ACD with a return to normalcy in 2–8 weeks^{3,4}

Safe

4.7-mg dose implant has been shown to be safe with clinical monitoring³

Simple

A single subcutaneous implant is recommended once per year^{3*}

Convenient

Naturally dissolves, so no removal is necessary³

Advanced

A novel mechanism of action brought to you by a company you trust, Virbac Corporation

To order the SUPRELORIN® F (deslorelin acetate) Implant, contact your Virbac sales representative, distribution center, or call 1-844-484-7222.



*Supplied as 2 or 5 single-use, pre-loaded, individually wrapped implants.

Important safety information: For use in ferrets only. Do not use in animals intended for breeding. The safe use of this product has not been evaluated in pregnant or lactating ferrets. Do not use this product in ferrets with known hypersensitivity to deslorelin acetate or other synthetic hormones. DO NOT HANDLE THIS PRODUCT IF YOU ARE PREGNANT OR NURSING OR SUSPECT YOU MAY BE PREGNANT. Accidental administration in humans may lead to disruption of the menstrual cycle. See reverse for complete product information.

Potential adverse reaction: Treated ferrets may exhibit signs of soreness and swelling at the implantation site, which should resolve over 1 to 2 weeks. Other reported side effects include weight gain, lethargy, and failure to respond to therapy. Contact your veterinarian immediately if you suspect your ferret is exhibiting signs of an adverse reaction.

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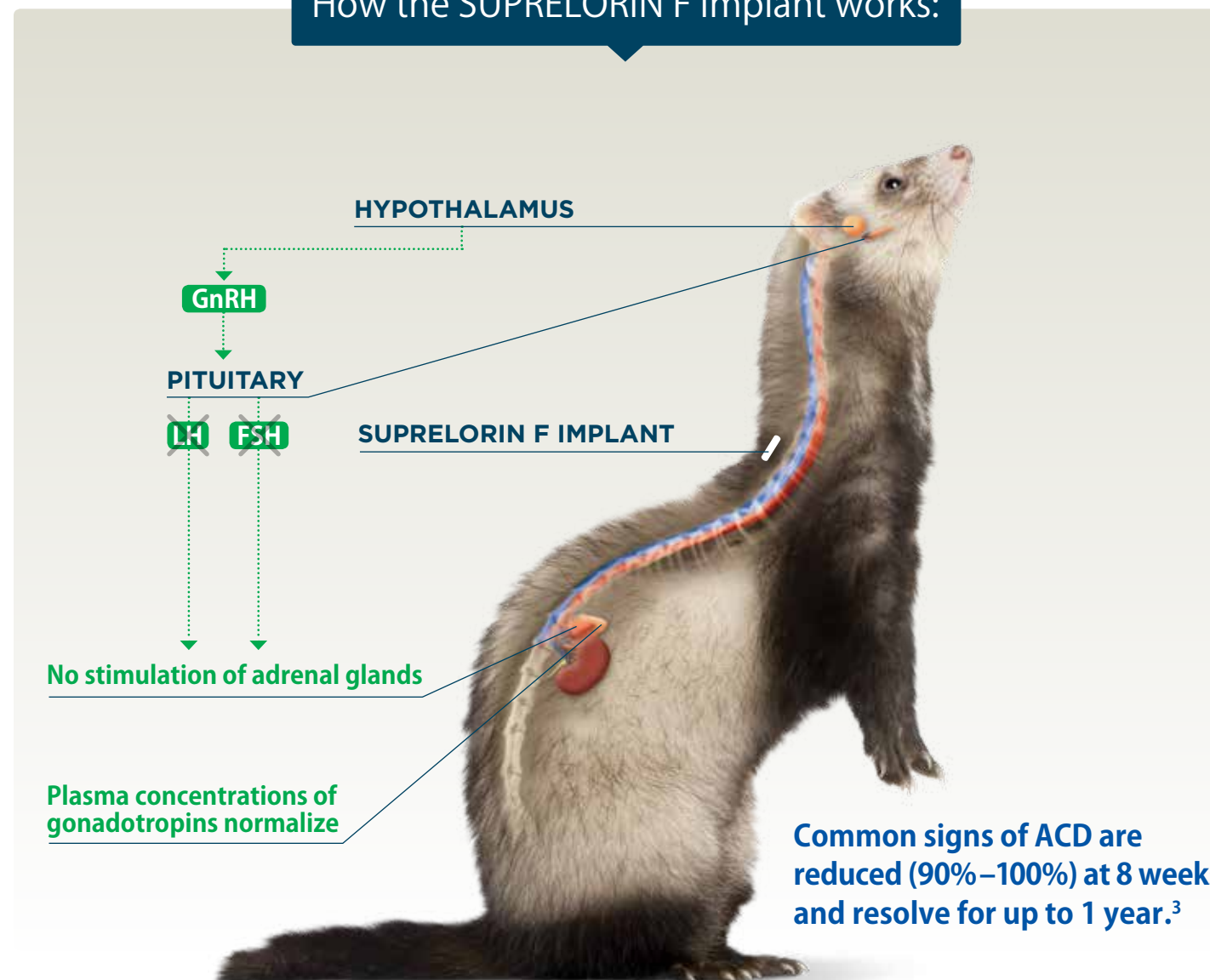
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Novel mechanism of action suppresses hormonal cascade.

The 4.7-mg SUPRELORIN® F (deslorelin acetate) Implant contains a synthetic GnRH analogue that suppresses production of pituitary and gonadal hormones for up to 12 months.³

- Deslorelin acetate is released in a constant low dose from the implant, resulting in the down regulation or desensitization of the GnRH receptors in the pituitary gland
- The desensitized cells now are unresponsive to stimulation and the production and release of LH and follicle stimulating hormone (FSH) is interrupted

How the SUPRELORIN F Implant works:



Safe and effective therapy for managing ACD.⁴

- Common signs of ACD are reduced quickly after implantation with the SUPRELORIN® F (deslorelin acetate) Implant⁴
- Signs resolve for up to 1 year⁴
- Shown to be safe for use with clinical monitoring³

Results observed in clinical studies.^{3,4}

Clinical signs	Time to initial effects	Time to return to normalcy
Alopecia (in the trunk area)	40%–80% regrowth in 6 weeks	90%–100% hair regrowth at 8 weeks*
Vulvar swellings	Decreased within 10–14 days	6 weeks
Skin disorders/itching	—	2 weeks
Unusual sexual behavior/aggression	—	2 weeks
Lethargy	Increased alertness and activity within 14 days	—

*In 28 out of 30 ferrets in this study.

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CAUTION: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

Suprelorin® F (DESLORELIN ACETATE) 4.7 mg Implant

DESCRIPTION

Suprelorin® F (4.7 mg) Implant is a synthetic GnRH analogue (deslorelin acetate) in a biocompatible, slow release subcutaneous implant. The implant is a solid, opaque, white to pale yellow cylinder, 2.3 mm x 12.5 mm in length and weighing 50 mg. The Suprelorin® F (4.7 mg) Implant comes pre-loaded in an implanting needle. Each implant contains 4.7 mg deslorelin (as deslorelin acetate) in an inert matrix.

Chemical Structure – Deslorelin Acetate

[[6-D-tryptophan-9-(N-ethyl-L-prolinamide)-10-deglycinamide]GnRH

INDICATIONS

Suprelorin® F (4.7 mg) Implant is indicated for the management of adrenal gland cortical disease in the male and female domestic ferret.

DOSAGE AND ADMINISTRATION

The recommended dosage is one, 4.7 mg implant per ferret every 12 months. Appropriate clinical monitoring is suggested to determine that the symptoms of adrenal gland disease are being adequately controlled.

Do not use if the foil pouch is damaged.

Remove the luer lock cap from the implanting needle. Attach the actuator syringe to the implanting needle using the luer lock connection. One implant should be implanted subcutaneously at the dorsal aspect of the base of the neck. Administer only one implant per ferret. Select the implant site by locating the area of the back midway between the shoulder blades. It is not necessary to prepare the implantation site. If the hair is long, a small section may be clipped if required. Lift the loose skin between the shoulder blades. Insert the entire length of the needle subcutaneously. Fully depress the actuator syringe plunger. Press the skin at the insertion site as the needle is slowly withdrawn, and maintain pressure for 30 seconds. Examine the implanting needle to verify that the implant has not remained within the needle, and that the blue plastic spacer is visible at the tip of the needle. It may be possible to palpate the implant in situ. The biocompatible implant does not require removal. Wash hands after use.

Repeat treatment every 12 months to maintain efficacy. Appropriate endocrine testing and clinical monitoring should be performed at appropriate intervals to monitor the response to therapy.

References: 1. Simone-Freilicher E. Adrenal gland disease in ferrets. *Vet Clin North Am Exot Anim Pract.* 2008;11(1):125–137. 2. Gandolfi RC, Weiss CA. Adrenal disease (hyperadrenocorticism). http://www.ferret.org/pdfs/health/Adrenal_Disease_Comprehensive_with_Medical_Therapy.pdf. Accessed January 15, 2016. 3. Wagner RA, Piché CA, Jöchle W, Oliver JW. Clinical and endocrine responses to treatment with deslorelin acetate implants in ferrets with adrenocortical disease. *Am J Vet Res.* 2005;66(5):910–914. 4. Wagner RA, Finkler MR, Fecteau KA, Trigg TE. The treatment of adrenal cortical disease in ferrets with 4.7 mg deslorelin acetate implants. *J Exotic Pet Med.* 2009;18(2):146–152.

CONTRAINDICATIONS

Do not use this product in ferrets with known hypersensitivity to deslorelin acetate or other synthetic hormones.

HUMAN SAFETY WARNINGS

KEEP OUT OF REACH OF CHILDREN. DO NOT HANDLE THIS PRODUCT IF YOU ARE PREGNANT OR NURSING OR SUSPECT YOU MAY BE PREGNANT. Accidental administration may lead to a disruption of the menstrual cycle. Avoid direct skin contact with the implant; if skin contact occurs, wash the affected area immediately with soap and water. The use of gloves is advised. As with all injectable drugs causing profound physiological effects, routine precautions should be employed by practitioners when handling and using Suprelorin® F (4.7 mg) Implant to prevent accidental injection. In case of accidental human injection, a physician should be consulted and the implant should be removed.

PRECAUTION

Do not use in animals intended for breeding. The safe use of this product has not been evaluated in pregnant or lactating ferrets.

ADVERSE REACTIONS

It is possible that treated ferrets will exhibit signs of soreness and swelling at the implantation site, which should resolve over one or two weeks. Undesirable histology at the site of implantation has not been reported in other species (canine). Other reported side effects include: weight gain, lethargy and failure to respond to therapy. To report suspected adverse drug events, please call Virbac at 1-855-647-3747.

PHARMACOLOGY

Suprelorin® F (4.7 mg) Implant is a controlled release implant containing the GnRH agonist deslorelin. Deslorelin acetate suppresses the reproductive endocrine system, preventing production of pituitary and gonadal hormones. Deslorelin acetate has not been shown to reduce the size of adrenal tumors and is not considered curative.

DISPOSAL

Each implanting needle (sterile) is a single-use device. Used needles should immediately be placed in a designated and appropriately labeled “sharps” container. Each actuator syringe (non-sterile) is a multi-use device and should be saved for future use with the remaining implant(s) in the carton. Unused implants should be disposed of in accordance with local environmental requirements.

STORAGE

Store at temperatures between 2° and 8° C (36° and 46° F). Do not freeze.

HOW SUPPLIED

Five (5) or two (2) implants pre-loaded in implanting needles and individually packaged per carton.

For technical assistance, to request an MSDS, or to report suspected adverse drug events, please call Virbac at 1-855-647-3747.

Manufactured for: Virbac AH, Inc., Fort Worth, Texas

Product of Australia
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