

Estriol

(*ess-trye-ol*)

Description:

Estrogen Hormone

Other Names for this Medication: Incurin®

Common Dosage Forms:

Veterinary: 1 mg tablets. **Human:** None.

This information sheet does not contain all available information for this medication and has not been reviewed by FDA Center for Veterinary Medicine. This sheet can help answer commonly asked questions but is not a substitute for medical advice. If you have other questions or need more information about this medication, contact your veterinarian or pharmacist.

Key Information

- Estrogen hormone used in dogs to treat estrogen-responsive urinary incontinence.
- Most common side effects include lack of appetite, vomiting, greater thirst, and swollen vulva.
- May give with or without food. If your animal vomits or acts sick after receiving the drug on an empty stomach, try giving the next dose with food or a small treat. If vomiting continues, contact your veterinarian.
- Pregnant women and those who are breastfeeding should use caution when handling; they should wear disposable gloves when handling the drug.

How is this medication useful?

The FDA (U.S. Food & Drug Administration) has approved estriol for use in ovariectomized (spayed) female dogs for the control of estrogen-responsive urinary incontinence (urine leaking).

The FDA allows veterinarians to prescribe and use products containing this drug in different species or for other conditions in certain situations. You and your veterinarian can discuss why this drug is the most appropriate choice.

What should I tell my veterinarian to see if this medication can be safely given?

Many things might affect how well this drug will work in your animal. Be sure to discuss the following with your veterinarian so together you can make the best treatment decisions.

- Other drugs can interact with estriol, so be sure to tell your veterinarian and pharmacist what medications (including vitamins, supplements, or herbal therapies) you give your animal, including the amount and time you give each.
- Tell your veterinarian about any conditions or diseases your animal may have now or has had in the past.
- If your animal has been treated for the same disease or condition in the past, tell your veterinarian about the treatment and how well it did or didn't work.
- If your animal is pregnant or nursing, talk to your veterinarian about the risks of using this drug.
- Tell your veterinarian and pharmacist about any medication side effects (including allergic reactions, lack of appetite, diarrhea, itching, hair loss) your animal has developed in the past.

How long until I will know if this medication is working, and how long will the effects of this medication last?

This medication should help your animal feel better within 1 to 2 days. Your animal's clinical signs should improve after that time. The effects of this medication are short-lived, meaning they will stop working within 24 hours, although the benefits may be prolonged if your animal has decreased kidney and/or liver function.

When should this medication not be used or be used very carefully?

No drug is 100% safe in all patients, but your veterinarian will discuss with you any specific concerns about using this drug in your animal.

This drug **SHOULD NOT** be used in patients:

- That are allergic to it.
- That are receiving other estrogens (eg, DES).

This drug should be used **WITH CAUTION** in:

- Intact (not spayed) female dogs, pregnant or lactating dogs, male dogs, and dogs less than 1 year of age; safe use has not yet been evaluated.
- Animals that have liver disease, bone marrow depression, or mammary (breast) tumors.
- Animals that are receiving glucocorticoid drugs (eg, prednisone) as it hasn't yet been determined if these can be used safely together.

If your animal has any of these conditions, talk to your veterinarian about the potential risks versus benefits.

What are the side effects of this medication?

Side effects (listed in approximate order of likelihood) that usually are not serious include:

- Anorexia (lack of appetite).
- Vomiting.
- Greater thirst.
- Swollen or inflamed vulva.
- Anxiety, aggression (threatening behavior/actions).
- Lethargy (lack of energy), sleepiness.
- Loss of fur.
- Drooling/hypersalivation.
- Acting as if in heat.

You don't have to be overly concerned if you see any of these signs unless they are severe, worsen, or continue to be a problem. Contact your veterinarian if this happens.

Side effects that are rare and unlikely to occur but may be serious or indicate a serious problem include:

- Lack of energy due to anemia (low red blood cell count), bleeding, bruising, or a fever may indicate an infection due to bone marrow suppression.
- Seizures.
- Mammary tumors (growths).

If you see any of these signs, contact your veterinarian immediately.

If my animal gets too much of this medication (an overdose), what should I do?

If you witness or suspect an overdose, contact your veterinarian or an animal poison control center for further advice. Animal poison control centers that are open 24 hours a day include: **ASPCA Animal Poison Control Center** (888-426-4435) and **Pet Poison HELPLINE** (855-764-7661); a consultation fee is charged for these services.

How should this medication be given?

For this medication to work, give it exactly as your veterinarian has prescribed. It's a good idea to always check the prescription label to be sure you are giving the drug correctly.

- The drug may be given either with food or on an empty stomach. If your animal vomits or acts sick after receiving the drug on an empty stomach, try giving the next dose with food or a small treat. If vomiting continues, contact your veterinarian.
- If the drug works, your veterinarian will adjust the dosage to the smallest dose that is effective to reduce the risk for side effects.
- If you have difficulty getting your animal to take the medicine, contact your veterinarian or pharmacist for tips to help with dosing and reducing the stress of medication time.
- Patients are usually on this medication for an extended period, often for the rest of their lives. Give this medication according to the label's instructions and obtain refills as needed. Before stopping this medication, talk to your veterinarian, as there may be important reasons to continue its use.

What should I do if I miss giving a dose of this medication?

If you miss a dose, give it when you remember, but if it is close to the time for the next dose, skip the dose you missed and give it at the next scheduled time. After that, return to the regular dosing schedule. Do not double-up or give extra doses.

How should I store this medication?

- Store this medication in its original foil-sealed blister packs, prescription vial, or an approved dosage reminder container (ie, pill minder) at room temperature and protected from light.
- If your veterinarian or pharmacist has made (compounded) a special formulation for your animal, follow the storage recommendations and expiration date for the product.
- Keep away from children and other animals.

Can handling this medication be hazardous to me, my family, or other animals?

- Pregnant women and people who are allergic to this drug should be very careful not to accidentally take it. Because this drug has a higher risk of affecting pregnancy, pregnant women should wear disposable gloves when giving doses or handling the drug and avoid inhaling any dust from split or crushed tablets. Skin or eyes exposed to powder or liquids containing the drug should immediately be washed or rinsed off thoroughly, and your physician contacted.
- Wash your hands after handling any medication.

How should I dispose of this medication if I don't use it all?

- Do not flush this medication down the toilet or wash it down the sink. If a community drug "take-back" program is available, use this option. If there is no take-back program, mix the drug with coffee grounds or cat litter (to make it undesirable to children and animals and unrecognizable to people who might go through your trash), place the mixture in a sealable plastic bag to keep it from leaking out, and throw the bag out with the regular trash.
- Do not save leftover medication for future use or give it to others to use.

What other information is important for this medication?

Use of this drug may not be allowed in certain animal competitions. Check rules and regulations before entering your animal in a competition while this medication is being administered.

If you have any other questions about this medication, contact your veterinarian or pharmacist.