



# ProZinc<sup>®</sup>

(protamine zinc recombinant  
human insulin)

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**YOU CAN**  
DO THIS.

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INFORMATION AND TIPS  
TO HELP YOU MANAGE YOUR  
CAT'S DIABETES.

# Your Cat Has Been Diagnosed WITH DIABETES

**ProZinc<sup>®</sup>**  
(protamine zinc recombinant  
human insulin)

## WHAT IS DIABETES?

Feline diabetes mellitus occurs when a cat's body doesn't produce enough insulin or doesn't respond effectively to insulin.

## WHY IS INSULIN IMPORTANT?

Insulin works as the "key" that lets your cat's cells utilize glucose for energy. When diabetes disrupts this normal process, it results in a shortage of glucose within the cells and an excess of glucose in the bloodstream. It is this imbalance of glucose that contributes to the signs we see in diabetic cats.

## SOME SIGNS OF FELINE DIABETES ARE:



**Increased thirst:** High levels of glucose in the urine can cause dehydration, resulting in excessive thirst in your cat.



**Increased urination:** Excessive thirst and high levels of glucose in the urine may result in more frequent urination or an increase in urine volume.



**Increased appetite:** Imbalanced blood glucose and inability of glucose to enter cells to support normal metabolism can cause your cat to feel hungry more often.



**Weight loss:** A diabetic cat's body will break down stored fats and proteins to replace glucose as an energy source, resulting in weight loss despite increased appetite.

## YOU'RE NOT ALONE.

If your cat was just diagnosed with diabetes or if your cat's diabetes has been difficult to control, providing the right care may seem overwhelming or frustrating. If you feel this way, you are not alone. As many as half a million cats in the US are diagnosed with diabetes, and this can be a challenging time for many of their owners.<sup>1,2</sup>

## THE GOOD NEWS IS THAT DIABETES IS MANAGEABLE.

**With the right care and treatment, your diabetic cat can get back on track! Read on to learn what you should do to help.**



# Managing Your Cat's DIABETES

**ProZinc<sup>®</sup>**  
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## TRY TO KEEP A REGULAR SCHEDULE FOR YOUR CAT, ESPECIALLY WHEN IT COMES TO THESE ACTIVITIES:



### INSULIN THERAPY

For cats with diabetes, lifestyle changes such as an activity plan, a special diet, and regular visits to the vet can help. However, most cats with diabetes will also need **insulin** injections.



### DIET

**What** your cat eats is very important. Discuss your cat's diet with your veterinarian to determine what kind of food is best for your cat. **When** your cat eats is also important, so be sure to keep your cat's feedings as close to the same time each day as you can.



### ACTIVITY AND PLAY

For a cat with diabetes, exercise can make a difference in maintaining a healthy blood glucose level. Like feeding, activity should happen **consistently**, every day.



### VETERINARY VISITS

Be sure to discuss your cat's diabetes during **regular** veterinary appointments, which may include blood glucose monitoring. This will help your veterinarian determine whether your cat is responding as expected or if an adjustment in the insulin regimen is needed.

### ROUTINE TIP

*Establishing and maintaining new routines may require the cooperation of others in your household. Get them involved and share the responsibility of providing the care that your cat needs.*

**Proper care is critical to keeping  
your diabetic cat healthy.**



# Your Veterinarian Prescribed **PROZINC<sup>®</sup>**

**ProZinc<sup>®</sup>**  
(protamine zinc recombinant  
human insulin)

**PROZINC<sup>®</sup>** (protamine zinc recombinant human insulin) **is approved by the FDA for use in cats and will help you care for your cat easily and effectively.**

## HOW PROZINC<sup>®</sup> HELPS

**Healthy cats are able to regulate their blood glucose levels with the help of insulin that's produced in the body.**

Cats with diabetes have a harder time maintaining those levels throughout the day, due to an ineffective response to insulin or an insulin deficiency. That's where PROZINC<sup>®</sup> comes in.

With 2 daily doses, you can provide your diabetic cat the help it needs to regulate its blood glucose and relieve associated clinical signs.<sup>3</sup> With the proven safety profile of PROZINC, it's the feline insulin treatment you can feel confident about.

*Be sure to give your cat the number of units prescribed by your veterinarian. Do not try to adjust your cat's dosage without your veterinarian's supervision.*

Reference:

<sup>3</sup> Nelson RW, Henley K, Cole C, et al. Field safety and efficacy of protamine zinc recombinant human insulin for treatment of diabetes mellitus in cats. *J Vet Intern Med.* 2009;23:787-802.

## GIVING YOUR CAT PROZINC.



**PROZINC insulin injections should be given with or preferably just after a meal.**



**Give injections at the same time every day.**



**Remember to roll the vial rather than shake it.**



**Keep a consistent feeding schedule to help ensure proper treatment.**

Visit our video library for step-by-step dosing instructions and more.



<https://prozinc.us/cat-owners/prozinc-video-library>

## PROZINC<sup>®</sup> is extensively studied.

PROZINC was proven safe and effective in the largest clinical feline insulin trial to date, so you can feel confident giving PROZINC to your cat to help manage diabetes.<sup>3</sup>



**WARNING – USER SAFETY:** For use in dogs and cats only. Keep out of the reach of children. Avoid contact with eyes. In case of contact, immediately flush eyes with running water for at least 15 minutes. Accidental injection may cause hypoglycemia. In case of accidental injection, seek medical attention immediately. Exposure to product may induce a local or systemic allergic reaction in sensitized individuals.

# What To Expect With **PROZINC®**

**ProZinc®**  
(protamine zinc recombinant  
human insulin)

**With patience and diligent care, PROZINC® (protamine zinc recombinant human insulin) can help bring your cat's clinical signs of diabetes, and high blood glucose, under control so they can live a happy and virtually normal life.**

## **REGULATING YOUR CAT'S BLOOD GLUCOSE**

It may take a month or longer to regulate your cat's blood glucose. But once it is regulated, you will notice an improvement in the signs of diabetes (increased thirst, urination, and appetite). When these signs decrease or disappear, you'll know your cat's blood glucose is stabilizing and your cat is likely to feel better.

Even if the signs of diabetes are gone, it is important to have routine checkups so your veterinarian can assess your cat's response to insulin therapy.

**IMPORTANT SAFETY INFORMATION:** PROZINC® (protamine zinc recombinant human insulin) is for use in dogs and cats only. Keep out of the reach of children. As with all insulin products, careful patient monitoring for hypoglycemia and hyperglycemia is essential to attain and maintain adequate glycemic control and to prevent associated complications.

Overdose can result in profound hypoglycemia and death. The most common adverse reactions were lethargy, anorexia, hypoglycemia, vomiting, seizures, diarrhea, and ataxia. Many of the adverse reactions, such as lethargy, seizures, and ataxia, are associated with hypoglycemia. Glucocorticoid and progestogen use should be avoided.

The safety and effectiveness of PROZINC in kittens, or breeding, pregnant, and lactating animals has not been evaluated. PROZINC is contraindicated during episodes of hypoglycemia and in animals sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC.

**For more information, please see full prescribing information located at the end of brochure.**

**IN A CLINICAL FIELD TRIAL,  
MOST CATS TREATED WITH  
PROZINC® SHOWED IMPROVEMENT  
WITHIN 45 DAYS<sup>3</sup>:**



**76%** showed improvement  
in excessive thirst.



**74%** showed improvement  
in excessive urination.



In fact,  
**ABOUT HALF**  
of the cats in the  
studies showed  
IMPROVEMENT IN  
**JUST 7 DAYS<sup>3,4</sup>**

## **REMISSION**

While there is no actual cure, it is possible for your cat's diabetes to go into remission. This happens when the concentration of glucose in your cat's blood stays at a normal level for at least 4 weeks without insulin treatment.<sup>5</sup> It is important to remember that even if your cat's diabetes is in remission, and they have been taken off PROZINC, their ability to secrete insulin is still abnormal and dietary modifications should be continued.



# What Is HYPOGLYCEMIA?

**ProZinc®**  
(protamine zinc recombinant  
human insulin)

Hypoglycemia (low blood glucose) is a dangerous and potentially life-threatening condition that can occur if your cat has too much insulin, too little food, or much more activity than usual.

## WAYS TO HELP YOUR CAT AVOID HYPOGLYCEMIA.

First, make sure to give your cat the correct dose of PROZINC® (protamine zinc recombinant human insulin) on a consistent schedule.

- Maintain a regular feeding schedule
- Provide the exact amount of food recommended by your veterinarian
- Do not give your cat any prescription or over-the-counter medications without your veterinarian's supervision—this includes vitamins and supplements

Even after your cat's glucose levels are stabilized on PROZINC,

## REGULAR VISITS TO YOUR VETERINARIAN ARE IMPORTANT

to monitor disease progress and to make dosing adjustments as necessary.

**Hypoglycemia requires your immediate attention and can be fatal for your cat without prompt treatment, so it's important to recognize the signs:**

- Extreme lethargy
- Depression
- Lack of Coordination
- Loss of Consciousness
- Unusual behavior
- Muscle twitching
- Seizure
- Coma

## What to do in an emergency.

### IF YOU SUSPECT YOUR CAT HAS LOW BLOOD GLUCOSE, FOLLOW THESE STEPS:

- 1** *If your cat isn't conscious*, rub a teaspoon of corn syrup or honey on your cat's gums and take them to an emergency provider immediately.
- 2** *If your cat is having a seizure*, take your cat to the veterinarian immediately.
- 3** *If your cat is conscious*, and is able to swallow, hand-feed corn syrup or honey until they are alert enough to eat normal food.
- 4** *As soon as your cat is alert enough to eat*, feed the next scheduled meal instead of waiting for mealtime, and call your veterinarian for advice. Remember that hypoglycemia is a dangerous condition that can't wait. It is a medical emergency that requires you to take action immediately.

FOR MORE DIABETES  
RESOURCES, SCAN THE  
QR CODE BELOW.



<https://prozinc.us/cat-owners>



## Package Insert for Cats

# ProZinc® (protamine zinc recombinant human insulin)

40 IU/mL

**Caution:** Federal law restricts this drug to use by or on the order of a licensed veterinarian.

**Description:** PROZINC® is a sterile aqueous protamine zinc suspension of recombinant human insulin.

Each mL contains:

recombinant human insulin	40 International Units (IU)
protamine sulfate	0.466 mg
zinc oxide	0.088 mg
glycerin	16.00 mg
dibasic sodium phosphate, heptahydrate	3.78 mg
phenol (added as preservative)	2.50 mg
hydrochloric acid	1.63 mg
water for injection (maximum)	1005 mg
pH is adjusted with hydrochloric acid and/or sodium hydroxide.	

**Indication:** PROZINC (protamine zinc recombinant human insulin) is indicated for the reduction of hyperglycemia and hyperglycemia-associated clinical signs in cats with diabetes mellitus.

**Dosage and Administration:** USE OF A SYRINGE OTHER THAN A U-40 SYRINGE WILL RESULT IN INCORRECT DOSING.

FOR SUBCUTANEOUS INJECTION ONLY.

DO NOT SHAKE OR AGITATE THE VIAL.

**PROZINC should be mixed by gently rolling the vial prior to withdrawing each dose from the vial.** Once mixed, PROZINC suspension has a white, cloudy appearance. Clumps or visible white particles can form in insulin suspensions: do not use the product if clumps or visible white particles persist after gently rolling the vial.

Using a U-40 insulin syringe, the injection should be administered subcutaneously on the back of the neck or on the side of the cat.

Always provide the Client Information Sheet with each prescription.

The initial recommended PROZINC dose is 0.1 – 0.3 IU insulin/pound of body weight (0.2 – 0.7 IU/kg) every 12 hours. The dose should be given concurrently with or right after a meal. The veterinarian should re-evaluate the cat at appropriate intervals and adjust the dose based on both clinical signs and glucose nadirs until adequate glycemic control has been attained. In the effectiveness field study, glycemic control was considered adequate if the glucose nadir from a 9-hour blood glucose curve was between 80 and 150 mg/dL and clinical signs of hyperglycemia such as polyuria, polydipsia, and weight loss were improved.

Further adjustments in the dosage may be necessary with changes in the cat's diet, body weight, or concomitant medication, or if the cat develops concurrent infection, inflammation, neoplasia, or an additional endocrine or other medical disorder.

**Contraindications:** PROZINC is contraindicated in cats sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC. PROZINC is contraindicated during episodes of hypoglycemia.

**Warnings: User Safety:** For use in cats and dogs only. Keep out of the reach of children. Avoid contact with eyes. In case of contact, immediately flush eyes with running water for at least 15 minutes. Accidental injection may cause hypoglycemia. In case of accidental injection, seek medical attention immediately. Exposure to product may induce a local or systemic allergic reaction in sensitized individuals.

**Animal Safety:** Owners should be advised to observe for signs of hypoglycemia (see Client Information Sheet). Use of this product, even at established doses, has been associated with hypoglycemia. A cat with signs of hypoglycemia should be treated immediately. Glucose should be given orally or intravenously as dictated by clinical signs. Insulin should be temporarily withheld and, if indicated, the dosage adjusted.

Any change in insulin should be made cautiously and only under a veterinarian's supervision. Changes in insulin strength, manufacturer, type, species (human, animal) or method of manufacture (rDNA versus animal-source insulin) may result in the need for a change in dosage.

Appropriate diagnostic tests should be performed to rule out other endocrinopathies in diabetic cats that are difficult to regulate.

**Precautions:** Cats presenting with severe ketoacidosis, anorexia, lethargy, and/or vomiting should be stabilized with short-acting insulin and appropriate supportive therapy until their condition is stabilized. As with all insulin products, careful patient monitoring for hypoglycemia and hyperglycemia is essential to attain and maintain adequate glycemic control and to prevent associated complications. Overdose can result in profound hypoglycemia and death.

Glucocorticoids, progestogens, and certain endocrinopathies can have an antagonistic effect on insulin activity. Glucocorticoid and progestogen use should be avoided.

The safety and effectiveness of PROZINC in breeding, pregnant, and lactating cats has not been evaluated.

The safety and effectiveness of PROZINC in kittens has not been evaluated.

### **Adverse Reactions: Effectiveness Field Study**

In a 45-day effectiveness field study, 176 cats received PROZINC. Hypoglycemia (defined as a blood glucose value of < 50 mg/dL) occurred in 71 of the cats at various times throughout the study. Clinical signs of hypoglycemia were generally mild in nature (described as lethargic, sluggish, weak, trembling, uncoordinated, groggy, glassy-eyed or dazed). In 17 cases, the veterinarian provided oral glucose supplementation or food as treatment. Most cases were not associated with clinical signs and received no treatment. One cat had a serious hypoglycemic event associated with stupor, lateral recumbency, hypothermia and seizures.

All cases of hypoglycemia resolved with appropriate therapy and if needed, a dose reduction.

Three cats had injection site reactions which were described as either small, punctate, red lesions; lesions on neck; or palpable subcutaneous thickening. All injection site reactions resolved without cessation of therapy.

Four cats developed diabetic neuropathy during the study as evidenced by plantigrade stance. Three cats entered the study with plantigrade stance, one of which resolved by Day 45. Four cats were diagnosed with diabetic ketoacidosis during the study. Two were euthanized due to poor response to treatment. Five other cats were euthanized during the study, one of which had hypoglycemia. Four cats had received PROZINC for less than a week and were euthanized due to worsening concurrent medical conditions.

The following additional clinical observations or diagnoses were reported in cats during the effectiveness field study: vomiting, lethargy, diarrhea, cystitis/hematuria, upper respiratory infection, dry coat, hair loss, ocular discharge, abnormal vocalization, black stool, and rapid breathing.

### **Extended Use Field Study**

Cats that completed the effectiveness study were enrolled into an extended use field study. In this study, 145 cats received PROZINC for up to an additional 136 days. Adverse reactions were similar to those reported during the 45-day effectiveness study and are listed in order of decreasing frequency: vomiting, hypoglycemia, anorexia/poor appetite, diarrhea,

lethargy, cystitis/hematuria, and weakness. Twenty cats had signs consistent with hypoglycemia described as: sluggish, lethargic, unsteady, wobbly, seizures, trembling, or dazed. Most of these were treated by the owner or veterinarian with oral glucose supplementation or food; others received intravenous glucose. One cat had a serious hypoglycemic event associated with seizures and blindness. The cat fully recovered after supportive therapy and finished the study. All cases of hypoglycemia resolved with appropriate therapy and if needed, a dose reduction.

Fourteen cats died or were euthanized during the extended use study. In two cases, continued use of insulin despite anorexia and signs of hypoglycemia contributed to the deaths. In one case, the owner decided not to continue therapy after a presumed episode of hypoglycemia. The rest were due to concurrent medical conditions or worsening of the diabetes mellitus.

To report suspected adverse drug events, for technical assistance or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim at 1-888-637-4251.

For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at <http://www.fda.gov/reportanimalae>.

**Information for Cat Owners:** Please refer to the Client Information Sheet for Cats for more information about PROZINC. PROZINC, like other insulin products, is not free from adverse reactions. Owners should be advised of the potential for adverse reactions and be informed of the associated clinical signs. Potential adverse reactions include: hypoglycemia, insulin antagonism/resistance, rapid insulin metabolism, insulin-induced hyperglycemia (Somogyi Effect), and local or systemic reactions. The most common adverse reaction observed is hypoglycemia. Signs may include: weakness, depression, behavioral changes, muscle twitching, and anxiety. In severe cases of hypoglycemia, seizures and coma can occur. Hypoglycemia can be fatal if an affected cat does not receive prompt treatment. Appropriate veterinary monitoring of blood glucose, adjustment of insulin dose and regimen as needed, and stabilization of diet and activity help minimize the risk of hypoglycemic episodes. The attending veterinarian should evaluate other adverse reactions on a case-by-case basis to determine if an adjustment in therapy is appropriate, or if alternative therapy should be considered.

**Effectiveness:** A total of 187 client-owned cats were enrolled in a 45-day field study, with 176 receiving PROZINC. One hundred and fifty-one cats were included in the effectiveness analysis. The patients included various purebred and mixed breed cats ranging in age from 3 to 19 years and in weight from 4.6 to 20.8 pounds. Of the cats included in the effectiveness analysis, 101 were castrated males, 49 were spayed females, and 1 was an intact female.

Cats were started on PROZINC at a dose of 0.1-0.3 IU/lb (0.2-0.7 IU/kg) twice daily. Cats were evaluated at 7, 14, 30, and 45 days after initiation of therapy and the dose was adjusted based on clinical signs and results of 9-hour blood glucose curves on Days 7, 14, and 30.

Effectiveness was based on successful control of diabetes which was defined as improvement in at least one blood glucose variable (glucose curve mean, nadir, or fructosamine) and at least one clinical sign (polyuria, polydipsia, or body weight). Based on this definition, 115 of 151 cases (76.2%) were considered successful. Blood glucose curve means decreased from 415.3 mg/dL on Day 0 to 203.2 mg/dL by Day 45 and the mean blood glucose nadir decreased from 407.9 mg/dL on Day 0 to 142.4 mg/dL on Day 45. Mean fructosamine values decreased from 505.9 µmol/L on Day 0 to 380.7 µmol/L on Day 45.

Cats that completed the effectiveness study were enrolled in an extended use field study. The mean fructosamine value was 342.0 µmol/L after a total of 181 days of PROZINC therapy.

**How Supplied:** PROZINC is supplied as a sterile injectable suspension in 10 mL and 20 mL multi-dose vials. Each mL of PROZINC contains 40 IU recombinant human insulin.

**Storage Conditions:** Store in an upright position under refrigeration at 36-46°F (2-8°C). Do not freeze. Protect from light. **Use the 10 mL vial within 60 days of first puncture. Use the 20 mL vial within 80 days of first puncture.**

Approved by FDA under NADA # 141-297

**Marketed by:**

Boehringer Ingelheim Animal Health USA Inc.  
Duluth, GA 30096

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US-PET-0697-2021

Revised 08/2019

449986-01



## Client Information Sheet for Cats

# ProZinc® (protamine zinc recombinant human insulin)

### 40 IU/mL

This summary contains important information about PROZINC. You should read this information before you start giving your cat PROZINC and review it each time the prescription is refilled. This sheet is provided only as a summary and does not take the place of instructions from your veterinarian. Talk to your veterinarian if you do not understand any of this information or if you want to know more about PROZINC.

#### What is PROZINC?

PROZINC is an aqueous protamine zinc suspension of recombinant human insulin that is used to reduce high blood sugar (hyperglycemia) in cats with diabetes mellitus. A veterinarian must prescribe PROZINC for your cat. **PROZINC should be given to cats only.** Keep out of reach of children. Seek medical attention immediately if you accidentally inject yourself with PROZINC.

#### What is diabetes mellitus?

Diabetes mellitus occurs when a cat has insufficient levels of, or an abnormal response to, insulin. The low insulin levels may result in high blood sugar (hyperglycemia) that could produce the following changes in your cat:

- Increased thirst
- Increased appetite
- High levels of sugar (glucose) in the urine (glucosuria)
- Increased urination
- Weight loss
- Weakness in the back legs

#### What kind of results can I expect when my cat is on PROZINC for diabetes mellitus?

Although PROZINC is not a cure for diabetes mellitus, it can help reduce the levels of sugar (glucose) in the blood, which can help alleviate the clinical signs.

#### What should I discuss with my veterinarian before giving PROZINC?

Talk to your veterinarian about:

- The signs of diabetes mellitus you have observed in your cat (for example, increased thirst and urination).
- The importance of proper PROZINC storage, handling, and administration techniques (for example, how to gently roll the vial prior to each use, the proper appearance of product after gently rolling, how to fill the U-40 syringe with the proper amount of insulin, and where and how to inject the insulin).
- The importance of maintaining your cat under the same conditions for diet, exercise, environment, etc.
- The importance of follow-up visits for testing to determine if dose adjustments of PROZINC are necessary.

Tell your veterinarian about:

- Any side effects your cat has had when receiving other insulin products.
- Any medical problems or allergies that your cat has now or has had in the past.

- All medications that you are giving your cat or plan to give your cat, including those you can get without a prescription.
- If your cat is pregnant, nursing, or if you plan to breed your cat.

#### What are the possible side effects that may occur in my cat during PROZINC therapy?

PROZINC, like other drugs, may cause side effects. Serious side effects can occur with or without warning. Please contact your veterinarian immediately if you think your cat has a medical problem or side effect from PROZINC therapy. The most common insulin-related side effect is low blood sugar (hypoglycemia). Signs of low blood sugar (hypoglycemia) can occur suddenly and may include:

- |                                      |                      |
|--------------------------------------|----------------------|
| • Weakness                           | • Staggering gait    |
| • Muscle twitching                   | • Coma               |
| • Depression, lethargy, sluggishness | • Behavioral changes |
| • Seizures, convulsions              | • Death              |

#### What actions do I take if my cat shows signs of low blood sugar (hypoglycemia)?

- **If your cat is unconscious or having a seizure, this is a medical emergency. Take your cat to the veterinarian immediately.**
- If your cat is conscious, rub approximately 1 tablespoon of corn syrup or honey on your cat's gums. When it is able to swallow, give corn syrup or honey by mouth until your cat is alert enough to eat. Feed the usual meal and contact your veterinarian.

#### When should my cat not be given PROZINC?

Do not give your cat its prescribed dose of PROZINC if it:

- Is experiencing an episode of low blood sugar (hypoglycemia). Common causes for low blood sugar include excessive doses of insulin, failure to eat, strenuous exercise, changes in the body's need for insulin, diabetes-inducing disease or drug effects.
- Is not eating or is vomiting.
- Is sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC.
- Do not give your cat its prescribed dose of PROZINC if you see clumps or visible white particles in the vial after gently rolling.

#### How should I give PROZINC to my cat?

PROZINC should be given with or right after a meal.

**Give PROZINC with U-40 syringes only.** Use of a syringe other than a U-40 syringe will result in incorrect dosing. Gently roll the vial until the PROZINC has a uniformly cloudy, white appearance. If there are clumps or visible white particles in the vial after gently rolling, do not use the PROZINC and call your veterinarian. PROZINC should be given according to your veterinarian's instructions. Your veterinarian will tell you what amount of PROZINC is right for your cat and instruct you on techniques for administration.

#### Can PROZINC be given with other medications?

PROZINC can be given with other medications, but the dose may need to be adjusted due to the medication resulting in either increased or decreased insulin requirements. Tell your veterinarian about all medications you have given your cat in the past, and any medications that you are planning to give with PROZINC. This should include medications that you can get for your cat without a prescription. Your veterinarian may want to ensure that all of your cat's medications can be given together.

**What should I do if I inject more than the prescribed amount of PROZINC?**

Contact your veterinarian immediately and, if your veterinarian is not available, seek other veterinary advice at once.

**What should I do if my cat receives less than the prescribed dose, or I miss an injection?**

- Contact your veterinarian as soon as possible for advice on your cat's next dose.
- If you cannot reach your veterinarian and your cat is eating and acting normally, give your cat the usual dose at the next regularly scheduled injection time.

**How should I store PROZINC?**

PROZINC should be stored in an upright position under refrigeration at 36-46°F (2-8°C). Do not freeze. Protect from light. **Use the 10 mL vial within 60 days of first puncture. Use the 20 mL vial within 80 days of first puncture.**

**What else should I know about PROZINC?**

This sheet provides a summary of information about PROZINC. If you have any questions or concerns about the product or diabetes mellitus, talk to your veterinarian.

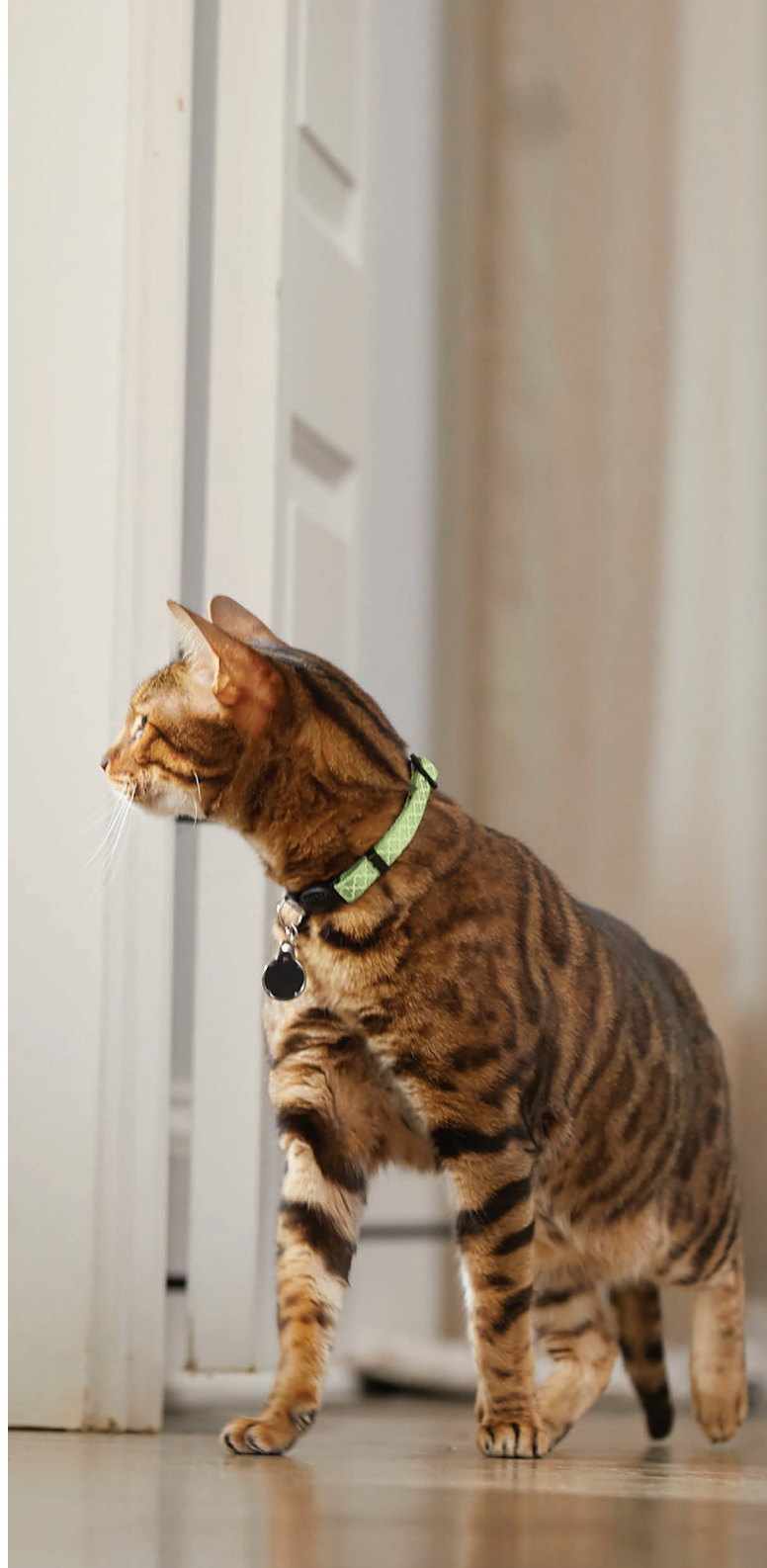
As with all prescribed medications, PROZINC should only be given to the cat for which it is prescribed and for the condition for which it was prescribed.

It is important to periodically discuss your cat's response to PROZINC at regular checkups that may include blood glucose monitoring. Your veterinarian will best determine if your cat is responding as expected and should continue receiving PROZINC.

Approved by FDA under NADA # 141-297

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Revised 08/2019



IF YOU HAVE QUESTIONS  
REGARDING PROZINC®, PLEASE  
CALL BOEHRINGER INGELHEIM  
TECHNICAL SUPPORT AT  
**1-888-637-4251**



No other information replaces the advice of your veterinarian. Please don't ever hesitate to contact your veterinary professional with questions about your cat's diabetes or administering a PROZINC injection.

## **ProZinc®** (protamine zinc recombinant human insulin)

**References:** 1. State of Pet Health® 2016 Report. Banfield® Pet Hospital. <https://www.banfield.com/Banfield/media/PDF/Downloads/soph/Banfield-State-of-Pet-Health-Report-2016.pdf>. Accessed December 6, 2018. 2. AVMA. U.S. Pet Ownership Statistics. <https://www.avma.org/KB/Resources/Statistics/Pages/Market-research-statistics-US-pet-ownership.aspx>. Accessed December 6, 2018. 3. Nelson RW, Henley K, Cole C, et al. Field safety and efficacy of protamine zinc recombinant human insulin for treatment of diabetes mellitus in cats. *J Vet Intern Med.* 2009;23:787–793. 4. PROZINC® (protamine zinc recombinant human insulin) [Freedom of Information Summary]. St. Joseph, MO: Boehringer Ingelheim Vetmedica, Inc.; 2009. 5. Gostelow R, Forcada Y, Graves T, Church D, Niessen S. Systematic review of feline diabetic remission: separating fact from opinion. *Vet J.* 2014;202(2):208–221.



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