GLUCO CALEA

For safety and accuracy

WELLION
GLUCO CALEA

THE BLOOD GLUCOSE METER FOR
DOGS • CATS • HORSES
We endeavour to make life easier for patients and partners.

Through innovative ideas, advice and service.

Werner Trenker, CEO
The first step in dealing with diabetes at animals is to understand the disease. It is important to know that the symptoms of diabetes are similar at humans and at animals, but special calibrated devices are required for testing blood sugar levels in blood.

1 out of 200 cats and 1 out of 500 dogs is type 1 or type 2 diabetic.
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**TYPE 1 and TYPE 2 diabetes at animals**

**TYPE 1**
- Insulin-dependent diabetes
  - Mostly at dogs

**Increased risk:**
- High age
- Non-castrated female dogs
- Obesity

**TYPE 2**
- Partly insulin dependent diabetes
  - Mostly at cats

**Increased risk:**
- High age
- Castrated male cats
- Obesity
- Home pets
- Lack of activity

**TYPE 1 & TYPE 2**
- Secondary diabetes
  - at horses

**Diseases that lead to diabetes at horses**
- Hyperfunction of adrenal gland (**Cushing syndrome**)
- Obese horses that get food rich in proteins and energy and have a lack of activity (**Metabolic syndrome**)
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**Why a blood glucose meter special for dogs, cats and horses?**

**Difference in calibration at blood glucose meters for humans and animals**

If you use a blood glucose meter for human blood for a cat, a dog or a horse this can lead to inaccurate test results meaning that the results shown on the screen are too low.

A blood glucose meter for humans is calibrated on human blood and will calculate human blood sugar. This result differs from the result a cat, dog or horse would get from a measurement – to produce a reliable result for your pet you need a blood glucose meter dedicated to animals.

Your Wellion GLUCO CALEA blood glucose meter is calibrated specially for cats, dogs and horses.
Blood from humans and animals is different!

The distribution of glucose in the blood of humans and animals is different. On the one hand humans and animals have a different PCV (packed cell volume, hematocrit) – humans: 37-50%, dog: 37-55%, cat: 24-45%, horse: 24-48%, that means that the number of red blood cells differs a lot between the species.

There is also a huge variation between the size of the red blood cells between the species causing a different distribution of glucose in plasma. At humans for example is the percentage of glucose in the red blood cells 42% whereas 58% of the glucose is situated in plasma.

At the cat (less and smaller erythrocytes) there is only a percentage of 7% of the glucose in the red blood cells and the majority of about 93% of the glucose is located in plasma.
Comparison measurement between Wellion GLUCO CALEA and 3 blood glucose meters for humans towards a laboratory device

Blood glucose meters dedicated to humans showed partly huge deviations!

Blood glucose meter for humans

Deviation in %

GLUCO CALEA

wellion
vet

<160 mg/dL
161-300 mg/dL
301-600 mg/dL

Blood glucose meter for humans

Deviation in %

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wellion
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Deviation in %

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Safety and accuracy – these requirements are met by the innovative GLUCO CALEA blood glucose meter.

The Wellion GLUCO CALEA has been developed especially for dogs, cats and horses. In order to produce a correct result, 3 different code chips come with the test strips that can easily be replaced.

Furthermore an eject button facilitates every day’s life with the blood glucose meter.
GLUCO CALEA

Art.Nr. WELLVET700
The easy operation of the Wellion GLUCO CALEA meter disburdens life with a diabetic pet. An additional benefit is provided by perfect legible digits on the back-lit display.

The GLUCO CALEA test strips can easily be removed by means of an eject button.

Four individually settable alarms remind you to test blood sugar on a regular base, so diabetes therapy will turn out a routine in daily life for your pet.

Optimal diabetes therapy can be achieved by means of regular checks of the blood sugar combined with professional care by the veterinarian. Average results in the meter memory of the Wellion GLUCO CALEA provide important information for further therapy of your pet.

The Wellion GLUCO CALEA blood glucose meter makes life easier for you and your pet.
SPECIAL FOR DOGS, CATS AND HORSES

EASY OPERATION

BIG, CLEARLY LEGIBLE DIGITS

EJECT BUTTON

BACK-LIT DISPLAY

HYPO- AND HYPERALARM

4 ADJUSTABLE ALARMS

AVERAGES

5 SECONDS MEASUREMENT TIME

300 RESULTS IN MEMORY

0.5 MICROLITRES OF BLOOD

1000 MEASUREMENTS BATTERY LIFE

1X CR2032 COIN BATTERY

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Diabetes differs from one animal species to the other. For that reason it is important to recognize symptoms at an early stage and discuss the findings with the veterinarian. If there is an indication for diabetes further medical checks should be performed. The earlier diabetes is detected the earlier short- and long term complications of diabetes can be prevented.

Regular blood glucose checks are the base of a successful therapy of diabetes. Blood sugar tests should be performed under familiar conditions in a home-setting which is part of a holistic care.

The Wellion GLUCO CALEA has been developed specially for dogs, cats and horses. Every species requires a special code chip for precise glucose results.
Is your pet diabetic?

Recognize the warning signals!

- Increased thirst
- Increased urination
- Eating binges
- Lack of energy
- Loss of weight despite increased intake of food

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Why is it important to measure blood glucose under home conditions?

Sugar stored in the liver will be released to the blood of an animal in stress-induced situations to be prepared for “escape” or “fight”. This reaction has a direct impact on blood glucose levels. When the blood sugar of your pet is measured under relaxed and usual conditions at home the results are much more reliable causing less stress for the pet owner as well.

Home-monitoring of blood glucose is practical, stress-free and important for optimal treatment by the veterinarian. The diabetes therapy of your pet can perfectly be adjusted by means of this data.

Important!

Do not worry after a diabetes diagnosis at your pet.

Active handling of the diabetes and professional care by the veterinarian support successful management of the diabetes at your pet.
What to do?

- Use exclusively the blood glucose meter Wellion GLUCO CALEA dedicated to animals
- Test blood sugar twice a day before the meals
- Take notes of the blood glucose test results, amount of food, insulin doses and time of measurement in the Wellion diary
- Contact your veterinarian if the test result is outside of the range given by the veterinarian
- If blood sugar level is below 70 mg/dl test again to recognize a hypoglycemia in time. Treat low blood sugar with Wellion Liquid Sugar Gold
- Feed only the amount of food agreed with your veterinarian before administering insulin to your pet
- Inform your veterinarian if the behaviour of your pet changes dramatically

What to avoid?

- Do not use a blood glucose meter dedicated to the blood of humans
- Do not increase or reduce the amount of food without consultation of your veterinarian
- After injection of insulin your pet should not be highly active
- Do not administer insulin to your pet if it refuses any food or vomits
- Do not change the insulin dose without consulting your veterinarian

Art.No. WELL002
3 simple steps to get a result

1. Chose correct code chip
2. Insert test strip
3. Drop of blood is drawn into the strip
4. Only a few seconds for a safe and accurate blood glucose result

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Correct blood sampling at animals

Where to get a sample?
Consult your veterinarian for advice on how to measure blood sugar levels at your pet. You will get information about the most appropriate sites for blood sampling.

You can take a blood sample from the following sites:

- Ear
- Paw
- Callus of the leg
- Inner and outer lip

Tips and tricks for blood sampling

Sometimes it takes longer to produce a blood drop of appropriate size.

Here some tips how to get the optimal blood drop:

- Warm the puncture site by means of a warm cloth prior to the blood sugar test
- Gently rub the puncture site
- Use a lamp to “scan” the ear of the pet to detect the appropriate puncture site more easily

You can use petroleum jelly at the puncture site to avoid smearing of the blood into the hair.

The following tips will help your pet to accept the blood sugar test more positively:

- Perform the blood sugar test under relaxed, quiet home-conditions
- The pet should get a treat as a reward after the testing
- Try to get your pet used to the gentle click of the lancing device
With best regards