wellion vet BELUA

GLU + KET



OWNERS GUIDE



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BELUA





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123

CAPILLARY & VENOUS FOR GLUCOSE GDH-FAD

Dear WellionVet BELUA Owner,

Thank you for choosing the WellionVet BELUA Monitoring System. We designed the WellionVet BELUA Blood Glucose and Ketone Monitoring System to be accurate and easy to use.

Your new WellionVet BELUA Blood Glucose and Ketone Monitoring System is designed with convenience and accuracy in mind to make your life easier. To ensure the test results are accurate on every test, we created designated test strips and unique code chips for the measurement of blood sugar or ketones in a cat, a dog or a cow.

All information needed to use and maintain your new meter is included in this manual. Please read it carefully.

IMPORTANT: This product is intended to be used on designated animals only. NOT INTENDED FOR HUMAN USE. Please call your local dealer, if you have any questions or concerns.

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WHY SHOULD I USE A SPECIFIC MONITORING SYSTEM FOR A CAT, DOG OR COW?

Animals and humans have a different blood composition and this leads to different factors influencing the measurement of glucose or ketones. Therefore it is necessary to use a specific monitoring system for animals.
Especially the distribution of the glucose in blood plasma and whole blood is significantly different. In animals the concentration of glucose in plasma is much higher than in humans:

CAT: About 93% of the glucose is located in plasma and 7% of the glucose in the red blood cells
DOG: About 87,5% of the glucose is located in plasma and 12,5% of the glucose in the red blood cells
HUMAN: About 58% of the glucose is located in plasma and 42% of the glucose in the red blood cells

A human meter is especially calibrated on human blood and is therefore only able to calculate the accurate human result. But this is not the same value as it would be for a cat, dog or cow - to receive an accurate value for your animal you must use a monitoring system developed especially for animals, the WellionVet BELUA.

Testing your pet's blood glucose at home will help to improve the diabetes therapy.



A cat with glucose levels below 250 mg/dL (13,8 mmol/l) and a nadir of 80-150 mg/dL (4,4-8,3 mmol/l) is considered to be well controlled.*



A dog with glucose levels below 180 mg/dL (10 mmol/l) and a nadir of 80-150 mg/dL (4,4-8,3 mmol/l) is considered to be well controlled.*

*Priv. Doz. Dr. med. vet. Florian Zeugswetter, University of Veterinary Medicine Vienna



Contact a veterinary doctor and follow his or her treatment advice about the target range of glucose or ketones for the cows.

YOUR NEW METER KIT

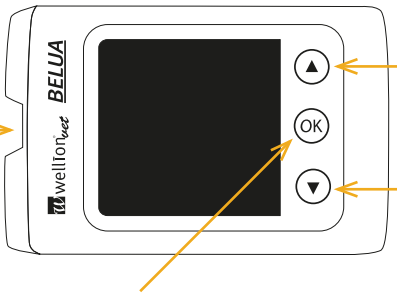
The WellionVet BELUA kit includes the following items:

WellionVet BELUA meter incl. batteries
WellionVet BELUA pouch
Ownersguide
Wellion Safetylancets

WellionVet BELUA Blood Glucose and Ketone Meter for animal use

Illuminated Test Strip Port

This is where you insert the test strip, the illumination facilitates measurements in a dark surrounding or in the shadow.



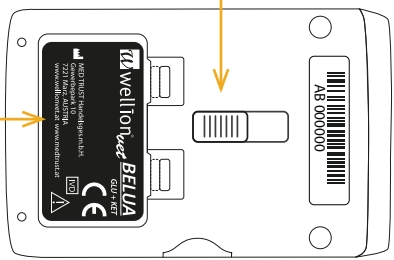
Arrow buttons

- Scroll between selections when setting up the meter
- Scroll between different memorized memory values when in the memory recall mode

OK button

- Can be used to turn on or off the meter (when no test strip is inserted) by press and hold for 2 seconds
- Enter the menu screen by pressing it once when the meter is turned on
- Confirm selection by pressing it once during set up.

Eject Button
For hygienic disposal of the used test strip.



Battery Compartment
Open the compartment door to replace the batteries.

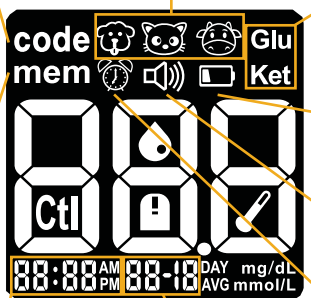
Code Card Port
This is where you insert the species specific code card for the correct parameter before testing:
Blue code card is for dogs, green code card is for cats, and orange code card is for dairy cows, make sure you use the right code card for the right animal and the needed testing parameter

Meter Display Screen

Code - indicates that the number on the main numerical display area is a code number for the test strip. Always match the code number displayed to the code number printed on the package before performing a test

mem - indicates the meter is in memory recall mode and the number on the main display area is a memorized testing result

Type of Animal - Displays the type of the animal the test strip is intended to test for. The animal type is determined by the code card; blue are for dogs, green are for cats, and orange are for dairy cows, make sure you use the right code card for the right animal



GLU/KET - indicates whether the test mode is for glucose or ketone.

Battery Symbol - Lights up to indicate a change of the battery is necessary

Buzzer - indicates the sound volume is ON

Alarm - indicates the alarm is ON

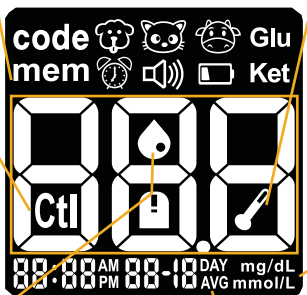
Time - indicates the time, the left 2 digits are hours and the right 2 digits are minutes.

Date - indicates the month and date, the left 2 digits are for the date and the right 2 digits are for the month.

Meter Display Screen

Main Display Area - Displays test results, memorized testing results, errors and other messages.

Ctl - indicates the meter is in control, or shows a memorized control result



Temperature icon - indicates the meter is outside of its operating temperature of 10°C - 40°C. The meter will not test if outside of this range. Move the meter to an environment within its operating temperature range (such as indoors) and wait 30 minutes before testing.

mg/dL, mmol/L - indicates the unit of measurement.

Blood drop and strip icon - indicates the meter is ready for testing if both icons lit up. If only the strip icon lit up, insert a test strip and wait for the blood drop icon before applying blood sample.

DAY AVG - indicates the 1, 14, 30, 60 and 90 days averaging. This is for glucose values only.

WellionVet BELUA test strips

Sampling Area
The area where the blood sample is sipped in



Contact Points
Insert this end to the test strip port on the meter.

The WellionVet BELUA Test Strips are designed specifically to detect either glucose or ketone in whole blood of dogs, cats or cows.

Glucose test strips can be used for cats, dogs and cows. The glucose test strips come in bottles. Keep the bottle tightly closed and stored properly. Immediately close the bottle cap after taking out a test strip.

WellionVet BELUA cat&dog ketone test strips can be used for cats and dogs. WellionVet BELUA cow ketone test strips can be used for dairy cows. WellionVet ketone test strips are single packed in foil, use the test strip immediately after removing from its foil packaging.

⚠ **IMPORTANT:**

- THESE TEST STRIPS ARE NOT FOR HUMAN USE and should not be used on animals other than dogs and cats, or cows. For more information, please refer to the test strip inserts.

SETTING UP YOUR NEW METER

Setting the Clock, Date and Time

Your WellionVet BELUA Meter is preset to Central European Time Zone (UTC +1:00). If you want to change time and date, please follow the steps below.

You will need:
Your WellionVet BELUA meter

Step 1: With no test strip being inserted into the meter, press and hold OK button for 2 seconds to turn on the meter.
NOTE: If the meter display screen shows "Er 5, Meter failure" call your local dealer.



Step 2: After the meter displays the code number and the test strip icon, press OK button once to go into setup screen, then press the arrow buttons until the clock symbol starts to flash. Press OK button once to enter clock setup.

Step 3 - Set Year: The current year will flash. Press the arrow buttons to select the correct year. Press OK to confirm your choice and advance to set the month.

Step 4 - Set Month: The current month will flash. Press the arrow buttons to select the correct month. Press OK to confirm your choice and advance to set the day.

Step 5 - Set Day: The current day will flash. Press the arrow buttons to select the correct day. Press OK to confirm your choice and advance to set time format.

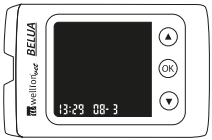
Step 6 - Set Time Format to 12-hours or 24-hours: The current time format will flash. Press the arrow buttons to select either 12-hours format or 24- hour format. Press OK to confirm your choice and advance to set hour.

Step 7 - Set Hour: The current hour will flash. Press the arrow buttons to make your choice. Press OK to confirm and advance to set minutes.

Step 8 - Set Minutes: The current minutes will flash. Press the arrow buttons to make your choice. Press OK to confirm and finish setting the clock.



After date and time has been set, you can begin testing, or press and hold the OK button for 2 seconds to turn off the meter, or see the next section on how to set up the alarm feature on your meter.



NOTE:
- You may need to reset time after changing batteries.

Setting the Alarms

You can set up a total of 6 alarms, 3 for glucose and 3 for ketone, on your WellionVet BELUA Meter. The default setting for all alarms is off. You must set the clock before you can set the alarms.
When the glucose alarm sounds, the meter will turn on and beep continuously. When the ketone alarm sounds, the meter will turn on and make 3 beeps, pause, 3 beeps, pause, ... in repetition. Pressing OK button or inserting a test strip will silence the alarm.

You will need:
Your WellionVet BELUA meter

Step 1: With no test strip being inserted into the meter, press and hold OK button for 2 seconds to turn on the meter.

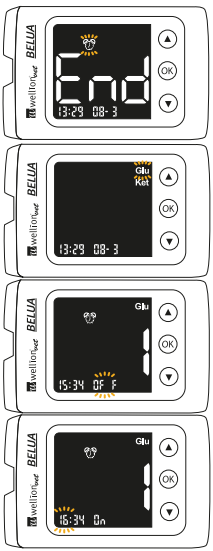
NOTE: If the meter display screen shows "Er 5, Meter failure" call your local dealer.

Step 2: After the meter displays the code number and the test strip icon, press OK button once to go into setup screen, then press the arrow buttons until the alarm clock symbol starts to flash.
Press OK button once to enter alarm clock setup.

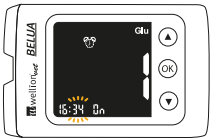
Step 3: The display screen will show both GLU and KET. For setting up alarms on glucose testing, select GLU using the arrow buttons and press OK button on GLU. For setting up alarms on ketone testing, select KET using the arrow button and press OK button on KET.

Step 4: The display screen will indicate alarm 1 status (the default is OFF). You can turn it on or off by pressing the arrow buttons.

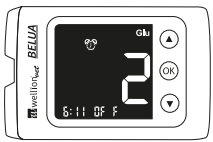
Step 5: Press OK button and the hour will flash. Press the arrow buttons to select the hour. Press OK button to confirm your choice and advance to set minutes.



Step 6: The current minutes will flash. Press the arrow buttons to select the correct minutes. Press OK button to confirm your choice and advance to set alarm 2.



Step 7: Set alarm 2 and 3 following steps 4 to 6. Set ketone alarms following steps 3 through 6. After you have finished setting up the minutes on the last alarm you need to set up, press OK button to exit and the meter will show a flashing test strip icon indicating the meter is ready for testing.



Begin testing, or press and hold OK button for 2 seconds to turn off the meter, or see the next section on how to set up the buzzer on your meter.

NOTE:

- Alarm will not sound during testing.
- Alarm will follow the time format (12-hours or 24-hours) you chose when setting up the clock.
- Alarm settings will not be erased when changing batteries.

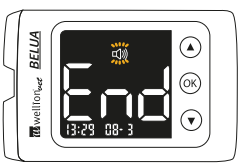
Setting the Buzzer

Your meter has a buzzer to alert or confirm various meter status. The default setting for the buzzer is on.

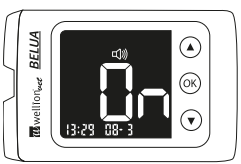
You will need:
Your WellionVet BELUA meter

Step 1: With no test strip being inserted into the meter, press and hold OK button for 2 seconds to turn on the meter.
NOTE: If the meter display screen shows "Er 5, Meter failure" call your local dealer.

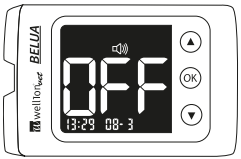
Step 2: After the meter displays the code number and the test strip icon, press OK button once to go into setup screen, then press the arrow buttons until the buzzer symbol starts to flash.
Press OK button once to enter buzzer setup.



Step 3: Press the arrow buttons to toggle between ON and OFF. Select the desired state and press the OK button to exit the buzzer set up screen. The meter will show a flashing test strip icon indicating the meter is ready for testing.



With the buzzer ON, the meter will beep to indicate power on, power off, when sample is applied, end of count-down when testing, setting buzzer, and test marker selection.



Begin testing, or press and hold OK button for 2 seconds to turn off the meter.

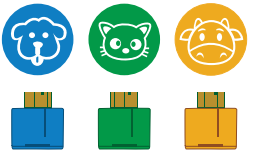
CODING THE METER

Before testing, you must „code" the meter. Coding is a process of programming your meter to ensure accurate test results. Blue code card is for dogs, green code card is for cats, and orange code card is for dairy cows, make sure you use the right code card for the right animal.

You will need:

- An appropriate code card for the type of test parameter (glucose / ketone) and the species of animal you plan to test on
- Either one new WellionVet BELUA Glucose Test Strip, or WellionVet BELUA Ketone Test Strip for cats & dogs, or WellionVet BELUA Ketone Test Strip for cows
- Your WellionVet BELUA Meter

Step 1: Determine the species of the animal you are testing and locate the appropriate colored code card in the package of test strips.



To differentiate between code cards for glucose and ketone testing after you have already unpacked them, you will find a "K" for ketone or a "G" for glucose preceding the code number directly on the code card.

WellionVet BELUA Glucose Test Strips



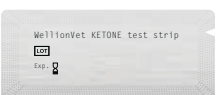




WellionVet BELUA Ketone Test Strips dogs and cats



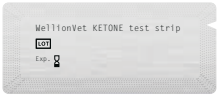




WellionVet BELUA Ketone Test Strips cows



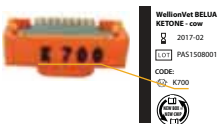




NOTE:

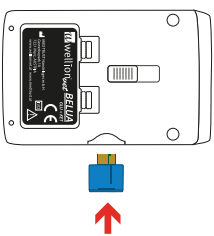
- Each colored code card is only for the animal and testing parameter indicated. Do not test on other species of animals or humans or other parameters.

Step 2: Verify the code number printed on the code card matches the code number on the test strip package.



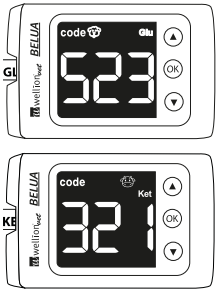


Step 3: With the meter on or off insert the code card (the code card only fits one way) into the code card port on the backside of the meter.

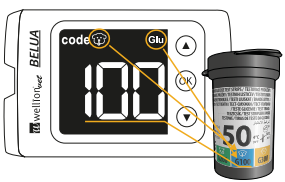


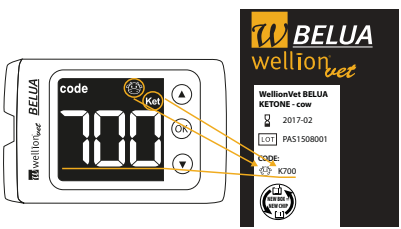
Step 4: If the meter is off, turn on the meter by either press and hold the OK button for 2 seconds or by inserting a test strip.

Step 5: A 3-digit code number will display on the display screen. Make sure the upper right hand of the meter display screen indicating GLU/KET matches your testing intention (GLU is for glucose testing and KET is for ketone testing).



Verify the code number on the display screen matches the code number on the test strip package. The 2 sets of numbers (in this example) should be the same.





NOTE:



- YOU WILL NEED TO RE-CODE THE METER WITH EVERY NEW PACKAGE OF TEST STRIP USING THE NEW CODE CARD SUPPLIED WITH THE NEW TEST STRIP PACKAGE and follow the instructions in this section to code the meter again. Discard the old code card.
- The meter will memorize the calibration parameter even if the code card is removed.
- If the meter display screen shows “Er 6,” check the expiration date on the test strip package. If the test strip is not expired and “Er 6” still shows, it may mean the code card is the wrong code card for the test strip you are using.

HOW TO CHOOSE THE BEST PUNCTURE SITE

Consult your veterinarian to get recommendations for the best sampling method and information on preferred puncture site for your animal.

COWS

The outside of the ear or the region of the hairless outer vulva can be used as suitable sites for obtaining a capillary blood sample in cows.



CATS & DOGS

Paw pad, inner side of the ear, or the inner lip may be used as capillary blood sampling sites for dogs and cats



Inner part of the ear



Paw pads



Inner side of the lips

Sometimes it can be difficult to get a blood sample. Here are some recommendations how to improve the procedure:

- Warming the puncture site by means of a warm cloth
- Gently rubbing of the puncture site

When your cat or dog is relaxed and able to follow its routine, the measured blood glucose results will be more accurate. Your veterinarian can use the data of the measurements to optimize the treatment of your pet.

It is important to motivate the cats or dogs by means of positive reinforcement like:

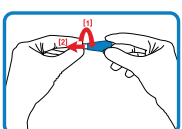
- Perform the blood glucose testing under calm and relaxed conditions
- Feed a "Goodie" as a reward
- Use a safetylancet that only gives a silent "click"

We recommend to use a Wellion Safetylancet (23G for cat and dog, 18G 3mm blade for cow) to obtain a proper blood sample, choose an appropriate sampling site for the animal.

Wellion Safetylancet
23G for cats & dogs



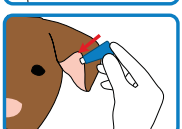




Wellion Safetylancet
18G 3mm Blade
for cows







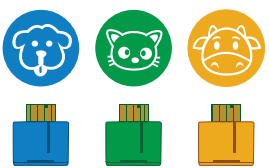
GLUCOSE TESTING

Before testing, you must „code“ the meter. Coding is a process of programming your meter to ensure accurate test results. Blue code card is for dogs, green code card is for cats, and orange code card is for dairy cows, make sure you use the right code card for the right animal.

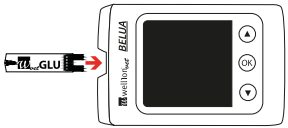
You will need:
- One new WellionVet BELUA Glucose Test Strip
- Your WellionVet BELUA Meter

IMPORTANT:
- Do not use a test strip that is expired. Check the expiration date („EXP“) which is printed on the test strip foil and packaging.
- Perform testing with the WellionVet BELUA only on dogs, cats, or dairy cows. DO NOT test on other species of animals or human.

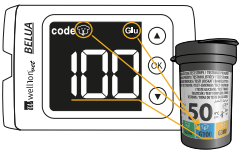
Step 1: Set up the meter according to this user guide. Make sure you choose the appropriate code card for the type of testing parameter and animal you are testing.



Step 2: Insert the test strip and verify the code number displayed on the meter matches the code number printed on the test strip bottle. Close the test strip bottle immediately.

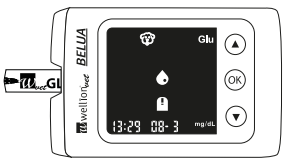


Step 3: The meter will now self-test the environment temperature.



Step 4: The meter display screen will show the test strip and blood drop symbol when it is ready to test. The meter display screen will show „GLU" on its upper right corner. This means the meter is ready to test for glucose.

Step 5: We recommend to use a Wellion Safetylancet (23G for cat and dog, 18G 3mm blade for cow) to obtain a proper blood sample, choose an appropriate sampling site for the animal. If possible, clean and dry the sampling site thoroughly.



Wellion Safetylancet 23G



Wellion Safetylancet 18G 3mm Blade

IMPORTANT:

- After removing a test strip from the bottle close the bottle cap immediately.
- Do not use wet, bent, or scratched test strips.
- Test strip should be used within 10 minutes after removing from the bottle.
- Store the test strip bottle in a dry, cool place and keep away from direct sunlight and heat.
- Record the „date opened" on the test strip bottle label when you first open it. After 3 months since first opened date, discard the bottle and any remaining test strip.
- If the temperature is outside of the operation range of 10°C-40°C, the meter display screen will show the temperature icon , and the meter will not test. Move the meter to an environment within 10°C-40°C (such as indoors) and wait for 30 minutes before testing.

NOTE:

- The paw pads, the inside of the ear or the inside of the lips can be used as suitable sites for obtaining a capillary blood sample in dogs and cats. Only use the 23G Wellion Safetylancet for the inner lip! The outside of the ear or the region of the hairless outer pubis can be used as suitable sites for obtaining a blood sample in cows.

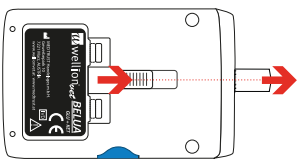
When the blood icon appears, apply blood to the test strip by holding the meter and allow the test strip tip to sip in the blood at the sampling site, without actually touching the skin. The meter will beep after receiving enough blood and begin to count down.



Step 6: The meter will display testing result after countdown. The test result will be automatically stored and can be recalled from the meter memory.



To discard the teststrip gently slide the strip ejector until the used strip falls out of test strip port. Alternatively, you can pull out the used strip.



The meter will automatically turn off after the test strip is removed or after 3 minutes.

NOTE:

- Refer to the test strip insert for additional information.

KETONE TESTING

Before testing, you must „code“ the meter. Coding is a process of programming your meter to ensure accurate test results. Blue code card is for dogs, green code card is for cats, and orange code card is for dairy cows, make sure you use the right code card for the right animal.

You will need:

- One new WellionVet BELUA Ketone Test Strip for cats and dogs, or one new WellionVet BELUA Ketone Test Strip for cows
- Your WellionVet BELUA Meter

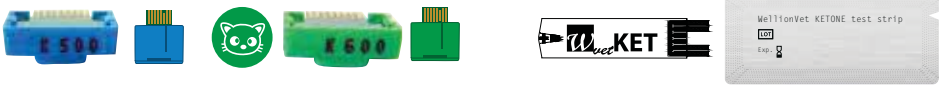
IMPORTANT:

- Do not use a test strip that is expired. Check the expiration date („EXP“) which is printed on the test strip foil and packaging.
- Perform testing with the WellionVet BELUA only on dogs, cats, or dairy cows. DO NOT test on other species of animals or human.

Step 1: Set up the meter according to this user guide. Make sure you choose the appropriate code card for the type of testing parameter and animal you are testing.

- WellionVet BELUA cat & dog Ketone Test Strip, with blue ketone code card for dogs or green ketone code card for cat
- WellionVet BELUA Ketone Test Strip for cows with orange ketone code card

WellionVet BELUA Ketone test strips dogs and cats



WellionVet BELUA Ketone test strips cows



Step 2: Insert the test strip and verify the code number displayed on the meter matches the code number printed on the test strip package.

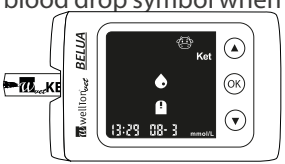


IMPORTANT:

- Do not use wet, bent, or scratched test strips
- Test strip should be used within 10 minutes after removing from the aluminum foil package.
- Store the test strip package in a dry, cool place and keep away from direct sunlight and heat.
- If the temperature is outside of the operation range of 10°C-40°C, the meter display screen will show the temperature icon , and the meter will not test. Move the meter to an environment within 10°C-40°C (such as indoors) and wait for 30 minutes before testing.

Step 3: The meter will now self-test the environment temperature.

Step 4: The meter display screen will show the test strip and blood drop symbol when it is ready to test. The meter display screen will show „KET" on its upper right corner. This means the meter is ready to test for ketones.



Step 5: We recommend to use a Wellion Safetylancet (23G for cat and dog, 18G 3mm blade for cow) to obtain a proper blood sample, choose an appropriate sampling site for the animal. If possible, clean and dry the sampling site thoroughly.

Wellion Safetylancet 23G



Wellion Safetylancet 18G 3mm Blade



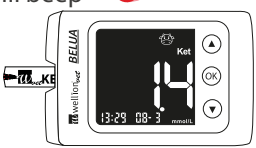
NOTE:

- The paw pads, the inside of the ear or the inside of the lips can be used as suitable sites for obtaining a capillary blood sample in dogs and cats. Only use the 23G Wellion Safetylancet for the inner lip! The outside of the ear or the region of the hairless outer pubis can be used as suitable sites for obtaining a blood sample in cows.

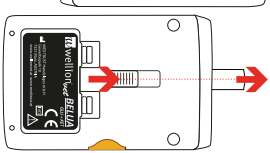
When the blood icon appears, apply blood to the test strip by holding the meter and allow the test strip tip to sip in the blood at the sampling site, without actually touching the skin. The meter will beep after receiving enough blood and begin to count down.



Step 6: The meter will display testing result after countdown. The testing result will be automatically stored and can be recalled in the meter memory.



To discard the teststrip gently slide the strip ejector until the used strip falls out of test strip port. Alternatively, you can pull out the used strip. The meter will automatically turn off after the test strip is removed or after 3 minutes.



NOTE:
- Refer to the test strip insert for additional information.

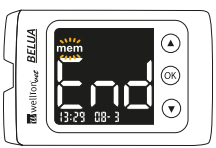
METER MEMORY

The WellionVet BELUA Blood Glucose and Ketone Meter for Animals automatically stores up to 500 glucose and 100 ketone readings, including control solution testing results, with date and time. For blood glucose measurements, the meter also provides 1, 7, 14, 30, 60 and 90 days averaging to help track blood glucose trend. You must set up the date and time on your meter to use the memory and day averaging function. The meter will not memorize test or control results if the date and time are not set.

You will need:
- Your WellionVet BELUA Meter

Step 1: With no test strip being inserted into the meter, press and hold OK button for 2 seconds to turn on the meter.
NOTE: If the meter display screen shows "Er 5, Meter failure" call your local dealer.

Step 2: After the meter displays the code number and the test strip icon, press OK button once to go into setup screen, and the mem icon **mem** will flash. Press OK button once to enter memory recall mode.



Step 3: Select the animal result you wish to review by using the arrow buttons to select the corresponding flashing animal icon. Press OK button on the flashing animal icon for the results you wish to review.

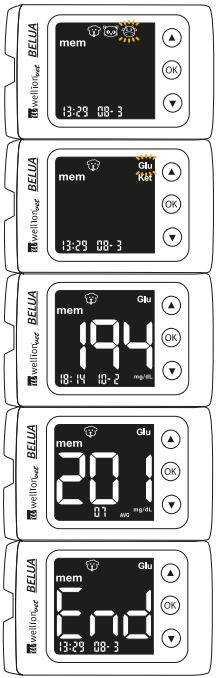
Step 4: Press to select either glucose or ketone results by pressing the arrow buttons key. Press OK button once you made your selection.

Step 4A - Glucose memory recall

1. The first result appeared will be the latest testing result. Using the arrow buttons you can scroll through all available testing results.

2. Continue to press arrow-down-button will display day averages; starting from 1 day average to 90 days averaging. Day Averaging information will show **AVG** on the bottom of the screen.

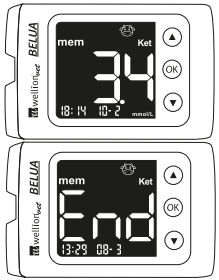
3. When the screen displays "End," this means the meter have already displayed all of its memorized results. You can scroll back by pressing the arrow buttons again.



Step 4B - Ketone memory recall

1. The first result appeared will be the latest testing result. Using the arrow buttons key can scroll through all available testing results.

2. When the screen displays "End," this means the meter have already displayed all of its memorized results. You can scroll back by pressing the arrow buttons again.



Step 5: Press OK button to exit memory recall and insert a test strip to begin testing.

NOTE:
- Control solution results are not included in the day averages.
- Ketone testing has no averages.

CARING FOR THE METER

Cleaning the Meter

- If the meter gets dirty, use a moist (NOT WET) lint-free cloth dampened with a mild detergent.
- Do not get water inside the meter or hold it under running water.
- Do not use glass or household cleaners on the meter.
- Do not try to clean the test strip holder.

Storage and Precautions

- Handle the Meter with care. Severe shock, such as dropping the meter, could damage the electronics.
- The meter and test strips are designed to be used within a temperature range between 10°C - 40°C.
- Avoid leaving the meter in extremely hot or cold place, such as near a heat source or in an extremely hot or cold car.
- Do not store or use the meter or test strips in high humidity levels, such as bathroom or kitchen.
- Do not take the meter apart. Doing so will void the warranty. If there are technical problems or questions, call our authorized dealer for assistance.

CHANGING THE BATTERIES

The WellionVet BELUA Meter operates on two 3V Lithium coin cell batteries. When the LCD screen displays a flashing battery icon , this indicates the batteries are low and should be replaced as soon as possible.

Step 1: Open battery compartment cover on backside of the meter.

Step 2: Remove the old batteries and replace with two new 3V Lithium coin cell batteries.

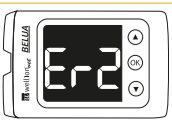
Step 3: Re-place the battery compartment cover.

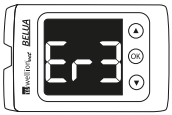
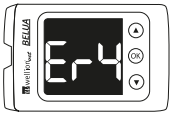
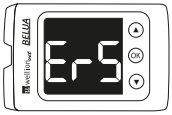
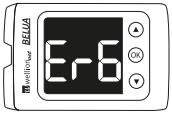
NOTE:

- To save battery power, the WellionVet BELUA Meter will turn itself off after 3 minutes of non-use. All results stored in memory will be saved even if the meter shuts off automatically.

PROBLEM SOLVING

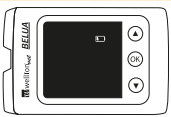
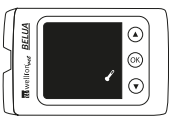
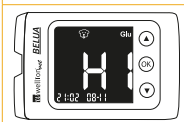
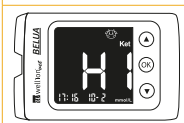
If there is a problem with your meter or with the way you are performing a test, any of the following messages may appear on the meter display screen.

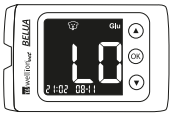
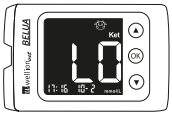
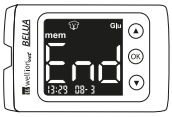
What you see	Error Code	Description
	Error 1	Used Test Strip
	Error 2	Under Fill (not enough blood for a measurement)

	Error 3	Strip was removed during count down
	Error 4	Extreme Temperature
	Error 5	Meter Failure
	Error 6 or display reamains black	expired test strip and /or code chip belongs to expired test strips

WARNINGS

If you are still unable to correct the problem after following the above suggestions, call your local dealer for help.

What you see	Error Code	Description
	Warning 1: Battery icon	Low Battery: Battery voltage is very low. Once the battery icon appears for the first time, it will remain visible until the batteries are replaced with new ones.
	Warning 2: Temperature icon	Invalid operating temperature: if invalid temperature icon is displayed and test strip is inserted, then testing is not possible. In this case the following events should happen: icon flashing 3 times, beep sound, meter turns off.
	Warning 3: Show „HI" in glucose memory recall mode	This reading is too high; beep sound to indicate the warning
	Warning 4: Show „HI" in ketone measurement mode	This reading is too high; beep sound to indicate the warning

	Warning 5: Show „LO“ in glucose measurement mode	This reading is too low; beep sound to indicate the warning
	Warning 6: Show „LO“ in ketone measurement mode	This reading is too low; beep sound to indicate the warning
	Warning 7: Show „End“in glucose measurement mode	No results in memory

SPECIFICATIONS

Eject button:	YES
Illuminated teststrip port:	YES
Method of measurement:	Biosensor
Enzymes:	[FAD]Glucose Dehydrogenase for glucose Ketone Dehydrogenase for ketones
Sample type:	fresh capillary whole blood or venous blood from cats, dogs or cows (Not for human use)
Sample size:	0,8 microliter for glucose and ketone measurement
Testing parameters:	Glucose, Ketone
Animal species for testing:	Cats, dogs, cows
Humidity requirements:	< 85%
Storage temperature for meter:	-20°C - 50°C
System operating temperature:	10°C - 40°C
Hematocrit compensation:	Dog: 30%-70%, Cat: 20%-60%, Cow: 10%-50%
Testing time:	6 seconds (glucose), 8 seconds (ketone)
Glucose measurement range:	20 - 600 mg/dl (1,1 – 33,3 mmol/l)
Ketone measurement range:	0,1 - 8,0 mmol
Number of tests in memory:	500 glucose, 100 ketone results
Power supply:	2 coin batteries CR2032

Calibration method:	Code chip for different species and testing parameters: blue = dog, green = cat, orange = cow
Averages:	1, 7, 14, 30, 60 and 90 days for glucose, no averages for ketone
Alarms:	6 alarms
Battery life:	1000 continuous measurements or 1 year

MANUFACTURER WARRANTY

The producer warrants the WellionVet BELUA blood glucose meter against defects in materials and workmanship for a period of two years from the date of purchase. The warranty does not apply if the instrument has been misused, poorly maintained or is tampered with.
Liability under this warranty is limited to the repair of defective parts or - at the discretion of the producer - to the replacement of the instrument. The right to rescind the purchase agreement exists only if the replacement is also found to be defective. Claims other than these will not be dealt with. The liability of MED TRUST is limited to repair or replacement and in no event shall MED TRUST be liable for any collateral or consequential damages or loss.
Instruments subject to misuse, abuse, neglect, unauthorized repair or modification will be excluded from this warranty.
This guarantee specifically excludes expendables and consumables.
The warranty period is not to be extended by any claim made under this warranty.

wellion® vet

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