

Veterinarian User Manual



Managing Pet Health

Blood Ketone & Blood Glucose Monitoring System for Dogs & Cats



Wirelessly Links to
Our Digital Smartphone App



Thank you for choosing the PetTest® OnTarget™ meter as your blood ketone and blood glucose monitoring system.

The first, most important part of using your new PetTest® OnTarget™ meter is to register your meter with us online. When you register your meter you are assured that:

- 1) We can notify you about any important updates or changes to your meter.
- 2) Registering confirms the full warranty period of your PetTest® meter.
- 3) Registering provides you peace of mind that you are protected.

To Register your new PetTest® Meter:

Go to: PetTestVet.com

Click on WARRANTY REGISTRATION in the QUICK LINKS section.

Enter your information and meter serial number.

That's it!

Thank you!



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Important OnTarget™ Meter Safety Instructions

- The PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System is calibrated for dogs and cats only and should not be used on humans!
- The PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System is intended for in vitro diagnostic use only..
- Only use PetTest BMB-BA105P & BMB-BK333P Test Strips with the PetTest OnTarget™ Meter. Other test strips will produce inaccurate results or fail entirely.
- Perform quality control tests recommended in this User's Manual before testing dog or cat.
- Keep away from children, seek healthcare professional for ingestion of any parts of meter or test strips..
- Thoroughly read all instructions before using product on dog or cat. Perform control solution tests as per instructions in this User Manual.
- Failure to follow instructions may cause incorrect test results. This device is for use by veterinary professionals.

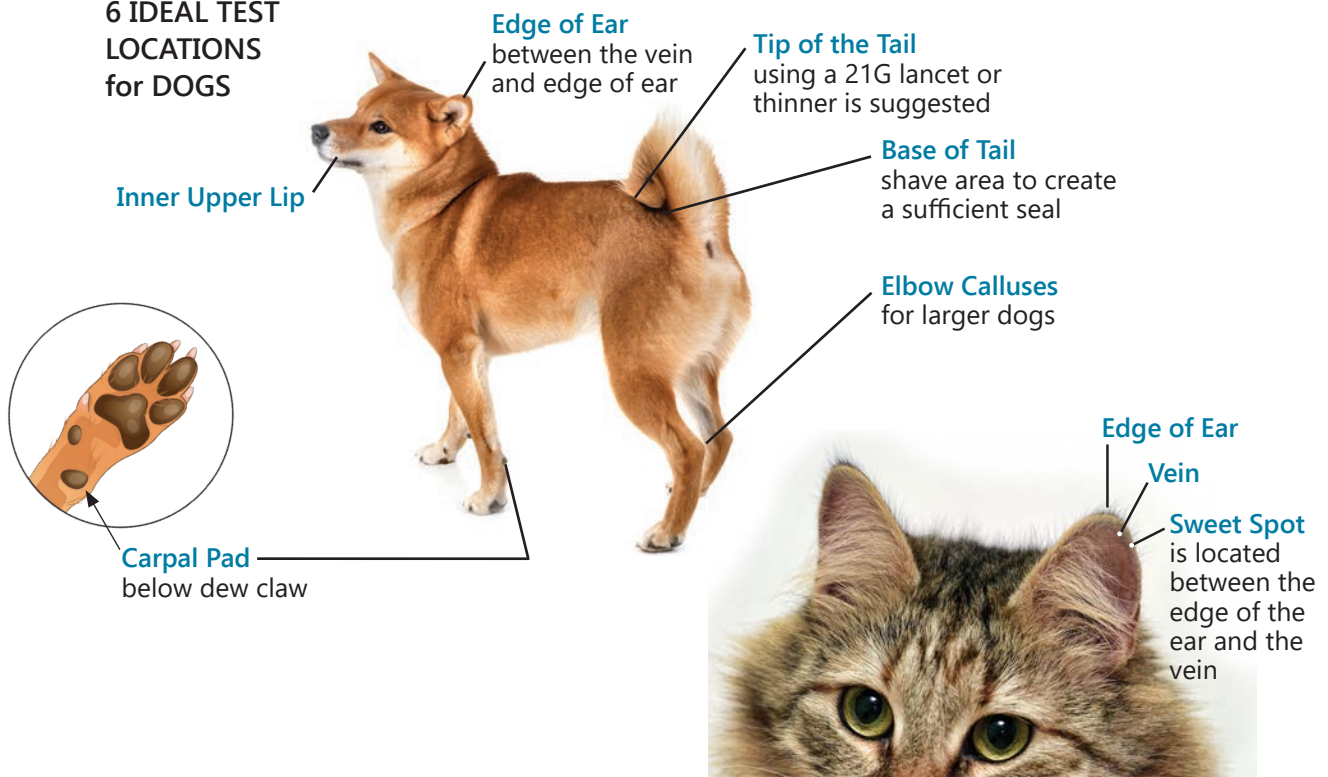
Important Information about Your OnTarget™ System Intended Use

The PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System is intended for in vitro diagnostic use only. It is used for the quantitative measurement of Ketone levels and/or Glucose levels in fresh capillary or venous blood samples that are drawn from dogs and cats..

The PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System consists of the PetTest Blood Ketone & Blood Glucose Meter and PetTest BMB-BA105P & BMB-BK333P Test Strips. The PetTest Control Solution is for use with the PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System as a quality control check to verify the accuracy of blood glucose test results.

Sampling Sites

6 IDEAL TEST LOCATIONS for DOGS



Introduction to Your OnTarget™ Monitoring System Package Contents

The OnTarget™ Blood Ketone & Blood Glucose Monitoring System contains the following items:

- PetTest OnTarget™ Blood Ketone & Blood Glucose Meter/Includes Carrying Case
- BK333P Blood Ketone Test Strips and PetTest BA105P Blood Glucose Test Strips
- PetTest Control Solution*
- Safety Lancets
- USB-C Cable
- Quick Reference Card with QR code to Access Our Website Informational Portal

Note:

- (*) These contents may vary according to geographic markets. Please check the outer package. If any items printed on the outer box are missing from your package or the box is opened prior to use, please contact the point of purchase for assistance.
- For information on how to obtain accessories including test strips, lancets, and control solutions please contact Customer Support 24/7 at 1-888-469-3579.
- To download this user manual and other manuals, go to www.PetTestVet.com and click on Quick Links.

Meter Components



Display

Displays the necessary information for diabetic testing.

Type-C Port

Cable connection to charge the meter.

Left Button

Press to enter memory mode and adjust settings.

Right Button

Press to enter 7-, 14-, and 28-day average mode and adjust settings.

Power Button

Long Press to enter set mode and change the date, time, alarm settings and memory deletion, or short press to turn the meter on.

Test Strip Port

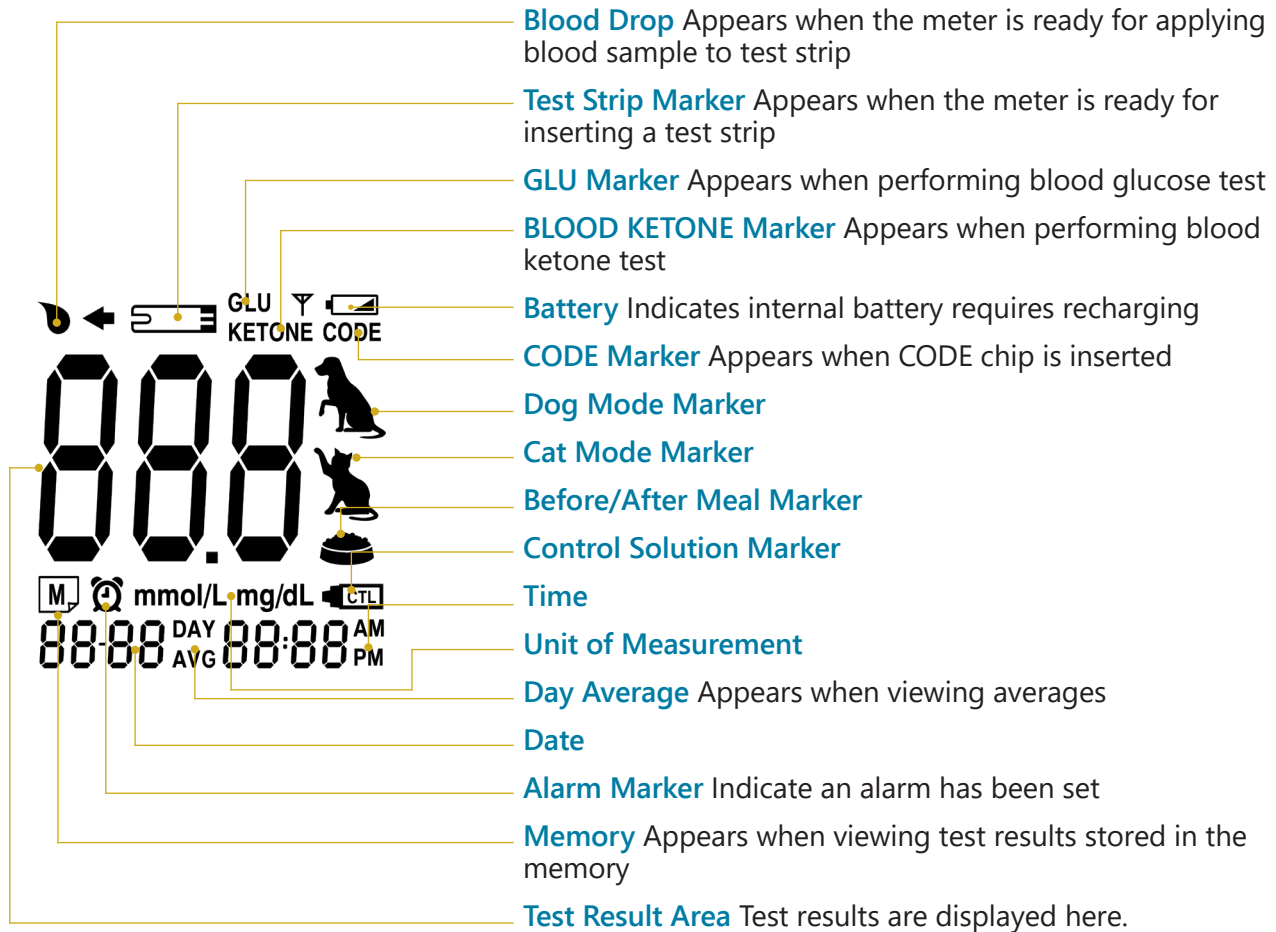
Insert contact bars into the meter slot. The meter turns on after you insert the test strip.



Reset Button

Press to restart meter.

Meter Display Legend



Test Strip Description

BMB-BA105P (Blood Glucose Testing)



Confirmation Window

Blood is drawn into the confirmation window

Contact Bars

Insert this end into the test strip port

BMB-BK333P (Blood Ketone Testing)



Confirmation Window

Blood is drawn into the confirmation window

Contact Bars

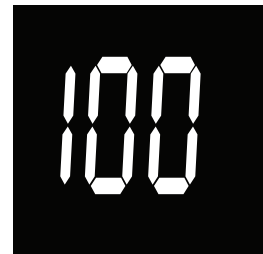
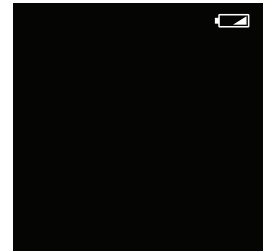
Insert this end into the test strip port

Note: The entire confirmation window must be filled to receive an accurate reading. See page 18 for more information. The acceptable range for the control solution result is printed on the test strip foil.
Do not throw away.

Meter Set-Up Charging

- **Before testing for the first time,** Insert the USB-C cable into the charging slot on the right side of the meter. Charge for a minimum of 2 hours or until 100 appears on the display.
- **Initiate charging:** The device will display a flashing battery icon when connected to the power source. Wait until the device reaches a full charge, or until 100 appears on the display.
- **Remove the USB-C cable:** When the device is fully charged or reaches the specified charging percentage, please unplug the USB-C cable to avoid potential overcharging the battery from a prolonged connection.
- **Charge regularly:** If your OnTarget™ meter has not been used for more than three months, please charge the meter to avoid damaging the battery performance.

Note: The charging function requires a charging head that complies with the 60601 standard and a USB charging cable with a maximum length of 1M.



Setting Up the Meter

The OnTarget™ meter allows you to set the year, month, date, time, alarm, and delete memory. You can also edit many of these settings wirelessly from your smartphone using our Digital Companion App.

Enter the Settings Mode

With the OnTarget™ meter turned off, press the **Power** button until the meter turns on.

Exit the Settings Mode

At any time you want to exit the setting mode, press and hold the **Power** button for 2 seconds or until the meter turns off.

Scrolling Through the Settings Mode

Hold the **Left Arrow** or **Right Arrow** button to quickly scroll until the setting you require appears.

1. Setting the Year

Long press the **Power** button to enter the Setting mode. The Year will be flashing. Press and release the **Left** or **Right** button until the correct year appears. Press the **Power** button to move to the Month setting.



2. Setting the Month

With the month flashing, press and release the **Left** or **Right Arrow** button until the correct month appears. Press the **Power** button to move to the Day setting.



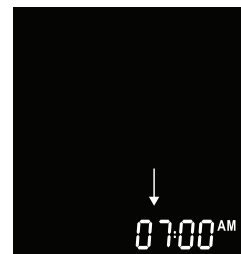
3. Setting the Day

With the day flashing, press and release the **Left** or **Right Arrow** button until the correct day appears. Press the **Power** button to move to the Hour setting.



4. Setting the Hour

With the hour flashing, press and release the **Left** or **Right Arrow** button until the correct hour appears. Press the **Power** button to move to the Minutes setting.



5. Setting the Minutes

With the minutes flashing, press and release the **Left** or **Right Arrow** button until the correct minute appears. Press the **Power** button to move to the Alarm setting. You may also hold the **Power** button down to quickly advance the minutes.



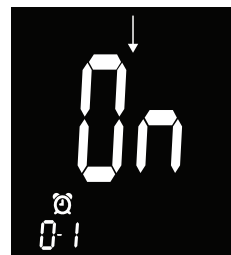
6. Setting the Alarm

The meter provides four alarms (1-4). You may set up just one, or all of them. With the alarm symbol on and ON/OFF flashing (the default is OFF), press the **Left** or **Right Arrow** button to switch from "OFF" to "On" and go to step 6-1 for details to set the alarm.



6-1. Entering the Alarm Setting Mode

Alarm 1 (01) when this symbol  and a flashing "ON" are displayed, press the **Power** button to enter the hour setting.



6-2. Setting the Alarm Hour

With the HOUR flashing, press and release the **Left** or **Right Arrow** button until the correct hour appears. Take note of whether AM or PM is selected. Press the **Power** button to move to the MINUTES setting.



6-3. Setting the Alarm Minutes

With the MINUTES flashing, press and release either the **Left** or **Right Arrow** button to select 15 minutes, 30 minutes, or 45 minutes. Press the **Power** button again to finalize the 01 setting and then move to the Alarm 2 (02) setting, or you can leave the alarm settings mode; when OFF and the alarm symbol is displayed on the screen, then press the **Power** button to move ahead to Deleting Memory.



6-4. Setting Additional Alarms (02–04)

Repeat steps 6-1, 6-2 and 6-3 to set Alarm 2 (02), Alarm 3 (03), and Alarm 4 (04). After finalizing 04, press the **Power** button to move to Select Unit mode.



7. Select Unit (mg/dL or mmol/L)

The default measuring unit is mg/dL (indicated by the flashing mg/dL). Press the **Left** or **Right Arrow** button to toggle the unit setting to mmol/L (indicated by the flashing mmol/L). Then press the **Power** button to move to the next setting.



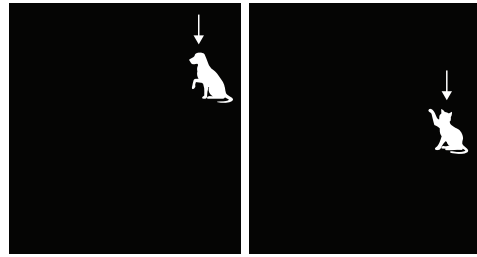
8. Mute mode setting

When the bEEP symbol is displayed, and ON is flashing, Press the **Left** or **Right Arrow** button to toggle the sound setting to MUTE mode (indicated by a flashing OFF). Then press the **Power** button to move to the Species Test Mode Setting.



9. Species Test Mode Setting

The default testing mode is DOG MODE (indicated by the flashing “dog symbol”). Press the **Left** or **Right Arrow** button to toggle the test mode setting to CAT MODE (indicated by the flashing “cat symbol”) then press the **Power** button to move to Delete Memory.



10. Deleting Memory

When both the memory symbols “M” and “dEL” both appear; if you DO NOT wish to delete the existing memory, press the **Power** button to skip this step. If you want to delete ALL memory, press and hold the **Right Arrow** button for 2 seconds to clear all memory.



When “CLr” is displayed on the screen, ALL memory is deleted.



After pressing either the **Power** button, or you have deleted all the stored memory, all set-ups are completed. The meter will show “OFF” and then turn off automatically.

Notes:

- There are 3 types of average settings (7-, 14-, and 28-day intervals). You can access them from the meter memory. These averages are calculated from results obtained during the 7-, 14-, and 28-day period preceding the current date settings. Please note, that when you reset the date, the averages will be re-calculated and updated automatically based on the new date.
- Date and time may need to be adjusted due to daylight savings time.
- If no button is pressed for 2 minutes, the meter will turn off automatically.

Using the Alarm

When the alarm sounds, the meter will automatically turn on. The alarm will keep sounding for 30 seconds. You can perform a test or turn off the meter.



Performing a Test

Insert a test strip into the meter test strip port and follow the Blood Glucose or Blood Ketone Test instructions.

Turning off the Alarm

Press the **Power** button to turn off the meter or leave the alarm sounding for 30 seconds and then the meter will automatically turn off.

Canceling the Alarm

Follow manual's "Set the Meter" instructions to cancel the alarm. See page 8.



Setting Up the OnTarget™ bLE (Wireless Transfer) Connection

To use the wireless transfer feature, you need to pair your OnTarget™ meter with our app on your mobile phone.

First, download the **PetTest app**. In your mobile phone's app store, type in "PetTest" to search and download the **PetTest Digital Companion App**. Or, scan this **QR code** which brings you to the website download page. Select either the Android or IOS button, download and install.



To pair your OnTarget™ meter and mobile phone, tap the **Power** button to turn on the meter. Simultaneously press and hold the **Left** and **Right Arrow** buttons to enter bLE mode. The bLE text on the meter will indicate that wireless transmission is turned on/enabled. Then in the Digital Companion App, go to settings, bLE Data Sync Connection. From there, tap the chain symbol (🔗) to connect. When successfully connected, the connected chain symbol (🔗) will appear.



Note: After the test strip completes a measurement, the device will automatically activate bLE and transmit the data to the PetTest APP application.

How to Connect Your BLE-enabled OnTarget Meter to the PetTest Digital Companion App

1. Turn on the PetTest OnTarget meter by tapping the power button (see Figure 1.1).
2. Push and hold the left and right buttons for 3 seconds to turn on the wireless transmission. The BLE text on the display will indicate that wireless transmission is turned on/enabled (see Figure 1.2).
3. Open the PetTest Digital Companion App on your smartphone, then go into “Settings”, then press “Connection”. You will find a 5 digit pairing number which should be the same as what is shown on the meter display screen. Next, tap the unlinked chain symbol (🔗). When the (🔗) appears linked (🔗), your device is successfully connected.
4. **Settings:** You can use the app’s “Settings” function to set your meter’s date/time, alarm(s), pet species, etc. You can also elect to “Clear Memory”, which will delete all meter memory/entries (see figure 1.3).
5. **Importing meter data:** Press the “Import Data” button, and data will start transmitting into the app.

When data transmission is finished, the app will show “Data Import Completed” (see Figure 1.4).

6. **After testing, the OnTarget meter will automatically turn on the BLE function.** The meter display will display the 5 digit pairing number, and then you can press the “Connection” button to connect in the app. If you don’t want to connect to app at that time, simply pull the strip out of the meter. This will turn off the meter, or the meter automatically turns off in 2 minutes.



Figure 1.1



Figure 1.2

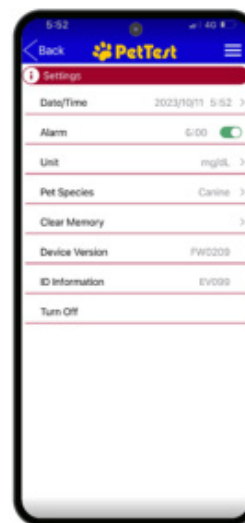


Figure 1.3

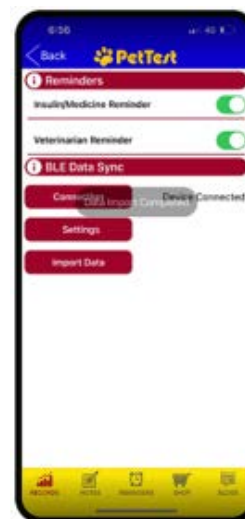


Figure 1.4

Using Control Solution

Only use PetTest Level 3 Control Solution to verify that the meter and the blood glucose test strips are working properly together as a system. It is very important that you complete this simple check routinely to guarantee your results are accurate.

Before Blood Ketone Testing

Calibration: You must calibrate the meter every time you begin to use a new box of Blood Ketone test strips by setting the meter with the correct code. *Test results may be inaccurate if the code number displayed on the monitor does not match the number printed on the box.*

How to Code Your Meter (for Blood Ketone)

1. Insert the code strip when the monitor is off. Wait until the code number appears on the display. NOTE: Make sure the code number on display and box are the same.
2. Remove the code strip, the display will show "OFF". This tells you that the meter has finished coding and is ready for Blood Ketone testing.

Checking the Code Number

You need to make sure that the code number displayed on the meter matches the number on your box before you proceed. If it matches, you can proceed with your test. If the codes do not match, please stop testing and repeat the calibration procedure. If the problem persists, contact Customer Service for help. NOTE: The codes used in this manual are examples only; your meter may display a different code.

When to Check Your System Using Control Solution

- Before using the meter for the first time.
- When you begin using a new box of foil wrapped test strips.
- Whenever you suspect that the meter or test strips are not working properly.
- After cleaning your meter.
- At least once a week or if you drop the meter..
- When you think your results might be wrong or to check your technique.
- When your test strips are exposed to extreme environmental conditions (below 39.2°F (4°C), or above 89.6°F (32°C), above 85% R.H. or below 15% R.H.).
- If you leave a test strip exposed for more than 10 minutes before inserting into meter.

Before beginning the Control Solution (CTL) checking process, make sure that you set the meter to the "CTL" mode to avoid storing the control solution check result in the memory. This way, you avoid incorporating the check result into the daily testing average. Shake the control solution vial before use. Discard the first drop of control solution. Then wipe off the vial tip with a tissue or clean towel to avoid contamination.



The above steps will ensure you get a proper blood sample for an accurate check result.

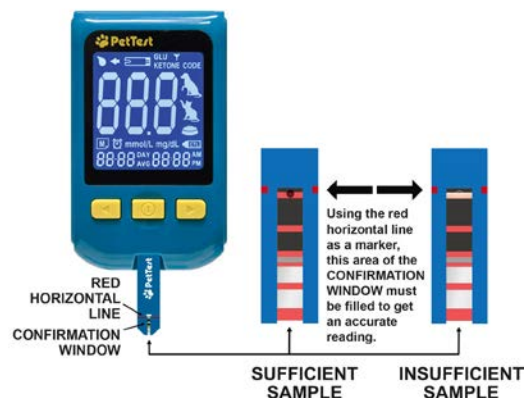
Note: The testing range for each test strip is printed on the test strip foil.

Important Control Solution Testing Information

- The control solution acceptable range is printed on the test strip foil packaging and is for the PetTest Control Solution only. It is not a range for testing Blood Ketone and Blood Glucose levels. If your meter registers results within this range during a control test, the system is functioning accurately.
- Only use PetTest Level 3 Control Solution. Check the expiration date on the control solution vial. Do not use if expired.
- Use for only 90 days from the date the vial was first opened. Record the discard date (date opened plus 90 days) on the control solution vial. Discard after 90 days.
- Tightly close the control solution and store at temperatures between 35°F -86°F (2°C -30°C). Do not freeze.
- Control solution, meter, and test strips should be stored at room temperature (between 68 -77°F/20 -25°C) before testing.

How to Proceed with a Control Solution Test

1. Carefully insert a test strip into the meter with the contact bars going in first. Push it in until it goes no further. The meter will turn on and the display screen will appear briefly.
2. When the flashing apply blood symbol () appears on the display, press the **Right Arrow** button until a control bottle symbol with "CTL" () appears. (Control test results will NOT be stored in the meter's memory.)
3. Shake the control solution vial for several seconds. Remove the cap and squeeze the vial discarding the first drop. Then wipe off the dispenser tip to prevent contamination. Squeeze the vial again and place this drop on a clean non-porous surface.
4. Holding the meter and test strip at a 45° angle, touch the tip of the test strip to the control solution drop until the meter beeps and begins to count down. **The control solution will display light pink in the confirmation window. The window must be completely filled.** NOTE: To avoid contaminating the control solution with the content of the test strip, DO NOT directly apply the control solution onto the test strip.
5. After 4 seconds, the control solution test result appears. **Compare your test result with the range printed on the test strip foil.** The result should fall within this range. Remove the used strip, and the meter will automatically turn off.



If the result is not within the acceptable range, it may be caused by the following conditions:

- The test was not properly administered.
- The control solution vial was not shaken enough.
- The control solution or test strip was either expired or contaminated.
- The control solution was stored in an environment out of the specified temperature range, which is from 35°F to 86°F (2°C -30°C).
- The test strips were stored in an environment out of the specified temperature or humidity range, which are from 39.2°F to 89.6°F (4°C -32°C), 15~85% R.H (non-condensing).
- Accidentally using the first drop of control solution.
- You are using a damaged meter.

If you continue to get inaccurate control solution test results, the system may be not working properly. DO NOT use the system to test blood glucose.

Contact Customer Support 24 / 7 at 1-866-373-2824 for help.

Blood Glucose Testing

Make sure you have all items needed to test before performing a blood glucose test.

- EQ155L PetTest® OnTarget™ Meter
- BA105P Blood Glucose Test Strips
- Safety Lancets / NOTE: Safety Lancets do not require a lancing device
- Optional Lancing Device plus Twist Top or Pull Top Lancets

Warning, to reduce the chance of infection:

- All lancets are for single use only. Always use a new, sterile lancet.
- Confirm the meter, lancets and optional lancing device are clean before use.
- Wash hands thoroughly with soap and water before and after handling all testing materials.

Preparing to Test

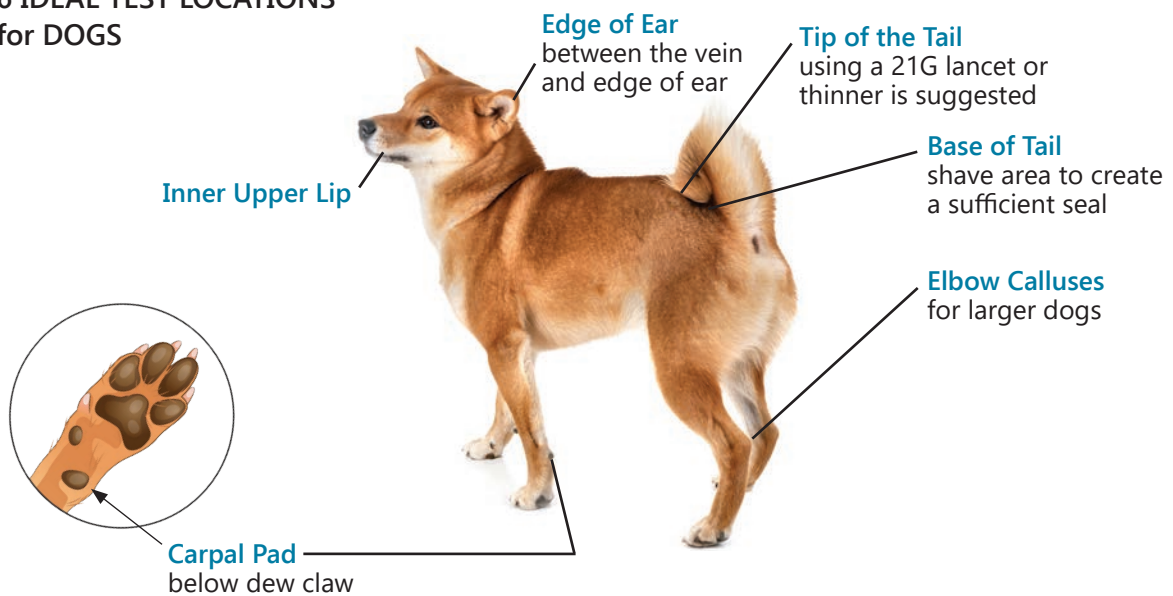
1. Locate the desired area you are planning to draw blood. Use the diagram on the next page or visit [PetTestVet/blogs](https://www.pettestvet.com/blogs) for a recommendation.

Decide ahead of time your choice of safety lancets, lancets, and a lancing device. Locate the area you are going to administer the test. For example, the dog's inner lip will easily produce the amount of blood needed to fill the test strip window. Pat the inner lip dry, then press any standard lancing device (which you have already loaded with a lancet) or safety lancet against the inner lip. Next, push the safety lancet against the skin until you hear the mechanism release the needle. Pull the safety lancet away. Or, press the lancing device against your pet's skin, and press the activation button and pull the lancing device away. If you are using the PetTest Genteel Painless Lancing Device, press against the skin and

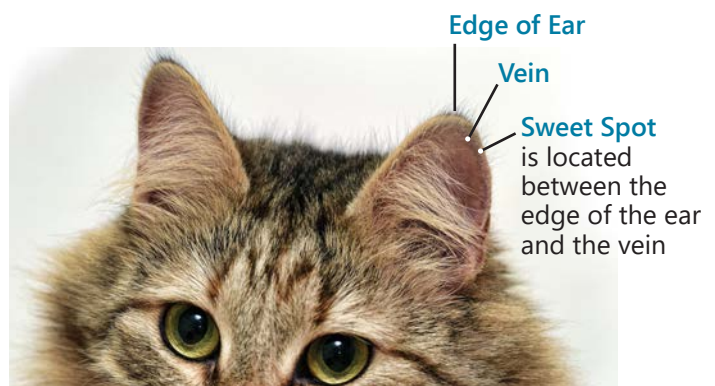
hold the black activation button until you see a drop of blood through the plastic nozzle. Release your finger first before removing the lancing device from the test site.

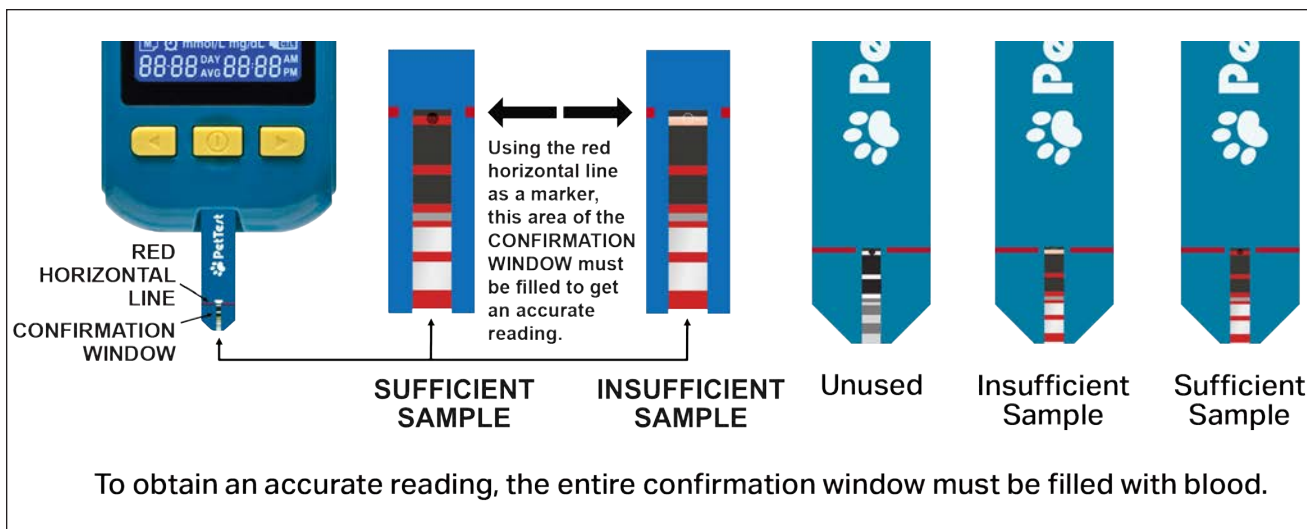
Apply the test strip (which you have previously loaded into the meter) to the drop of blood at a 45° angle. Make sure that the tip of the test strip absorbs enough blood to ensure an accurate reading. If you are going to test in one of the many other possible locations, you may need to shave a small patch of fur off this preferred area. There are many locations on dogs that do not have many nerve endings, yet yield ample blood, making them ideal testing locations. For cats, the inner ear is usually the ideal location (see cat diagram below).

6 IDEAL TEST LOCATIONS for DOGS



To properly fill a test strip with blood, position the meter and test strip at a 45° degree angle to the skin surface of your pet. Touch the tip of the test strip window to absorb the blood. **The control solution will display dark red in the confirmation window of the test strip. The window must be completely filled.**





Note: Warming the area will help increase blood flow. This can be done by:

- Gently rubbing the test site, or
 - Applying a warm (not hot or wet) cloth to the test site. If using a wet cloth, place the cloth inside a plastic bag to avoid diluting the blood sample.
2. Prior to starting, wash your hands and the test site with warm water and soap to ensure accurate results. Thoroughly dry your hands and testing site. If using a 70% isopropyl alcohol prep pad to clean the site, let it air dry before sampling.
 3. Prepare your testing materials in advance. See page 12 to scan the QR code if you would like to use OnTarget in concert with our app. If you downloaded this manual, also download your lancing device instructions. [Standard Lancing Device](#) or [Genteel Painless Lancing Device](#)
 4. After testing, gently apply pressure to the test site with sterile gauze or cotton to help stop any blood flow.

Testing Blood Glucose Levels

Step 1. Insert a test strip using the foil-wrap into the meter slot

To fully access the test strip, you may have to fold back more of the foil packaging as needed. Carefully insert a test strip into the meter face up with the contact bars going in first. Push it in gently until it goes no further. The meter will automatically turn on, you'll see the (GLU) symbol appear on the display. Choose your pet's species.

Step 2. Choose Dog Mode/ Cat Mode/ CTL mode

You have three modes to choose from by pressing the **Right Arrow** button; choose Dog, Cat, or CTL (control solution) mode. If you miss the desired mode, continue pressing the **Right Arrow** button to cycle through the species mode again.



A. Dog Mode

When the dog marker is displayed and the flashing blood drop () indicator appears on the display, go to Step 3 to choose Pre-Meal Mode or Post-Meal Mode or press the **Right Arrow** button to move to Cat Mode.

B. Cat Mode

When the cat marker is displayed and the flashing blood drop () indicator appears on the display, go to Step 3 to choose Pre-Meal Mode or Post-Meal Mode or press the **Right Arrow** to move to CTL Mode.

C. CTL Mode

When the control solution symbol is displayed and the flashing blood drop () indicator appears on the display, the meter is ready to perform a control solution test. You can perform a control solution test or press the **Right Arrow** to move back to cycle through the species mode again.

Step 3. Choose Pre-Meal Mode/Post-Meal Mode

Pre-Meal Mode: In Dog Mode or Cat Mode, with the flashing blood drop () indicator and the Pre-meal () indicator both appear on the display, go to step 4 for testing or press **Left Arrow** button to advance to Post-Meal Mode.

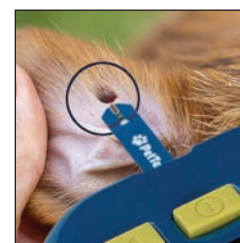
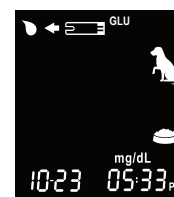
Post-Meal Mode: In Dog Mode or Cat Mode, with the flashing blood drop () indicator and the Pre-meal () indicator both appear on the display, go to step 4 for testing or press **Left Arrow** button to advance to Post-Meal Mode.

Step 4. Taking a blood sample

Touch the tip of the test strip (which you have previously loaded into the meter) to the drop of blood. Hold the meter and test strip at a 45° angle to better absorb the correct amount of blood (0.5µl). Make sure the test strip confirmation window absorbs enough blood to ensure an accurate reading. The minimum blood sample size is 0.5µl (). The meter will beep and begin a 4 second countdown. If the confirmation window is not filled with enough blood, the result may be inaccurate; E-5 will appear on the meter display. Repeat the test again. for obtaining a sufficient blood sample.

Step 5. Test result with wireless transfer

After 4 seconds, the blood glucose test result will appear. This result will automatically be stored in the meter's memory. Upon completion of the test, the bLE (wireless transfer) will automatically activate, indicated by a flashing bLE indicator. The data will be transmitted and stored on the PetTest Digital Companion Application on your mobile phone once paired.



Expected Blood Glucose Values

Normal glucose ranges for cats and dogs *without* diabetes is about 75~120 mg/dL (4.2~6.7 mmol/L).¹ Many factors will affect blood glucose values such as food intake, medication dosages, health, stress, or exercise. You can consult your veterinarian for appropriate “expected blood glucose values” for your pet.

Blood Ketone Testing

Have all the testing items you will need before performing a Blood Ketone test.

- EQ155L PetTest® OnTarget™ Meter
- BK-333P Blood Ketone Test Strips
- Safety Lancets / NOTE: Safety Lancets do not require a lancing device
- Optional Lancing Device plus Twist Top or Pull Top Lancets

Reminder: Safety Lancets do not require a lancing device

Warning, to reduce the chance of biohazardous infection:

- Safety Lancets and Pull and Twist Top Lancets are for single use only. Always use a new sterile lancet.
- All testing materials should be clean before using.
- Wash hands thoroughly with soap and water after handling all testing materials.

Preparing to Test

Step 1. Select the test site. Locate the desired area you are planning to draw blood. Use the diagram on page 17 or visit [PetTestVet blogs](#) for a recommendation if you are not sure which site is the best sampling site for your pet.

Note: Warming the area will help increase blood flow. This can be done by:

- Gently rubbing the test site, or
- Applying a warm (not hot or wet) cloth to the test site. If using a wet cloth, place the cloth inside a plastic bag to avoid diluting the blood sample.

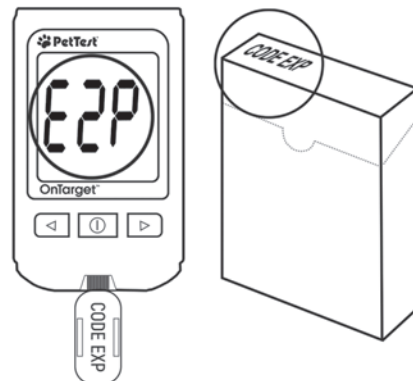
Step 2. Prior to starting, wash your hands and testing site with warm water and soap to ensure accurate results. Thoroughly dry your hands and test site on your pet. If using a 70% isopropyl alcohol prep pad to clean the site, let it air dry before sampling.

Step 3. Prepare your safety lancet or lancing device and lancet. See page 12 to scan the QR code. If you are downloading this manual, also download your lancing device instructions. [Standard Lancing Device](#) or PetTest [Genteel Painless Lancing Device](#)

Step 4. After test sampling, gently apply pressure to the test site with sterile gauze or cotton wool to help stop the blood flow.

Step 5. You must calibrate the meter every time you begin to use a new box of Blood Ketone test strips by setting the meter with the correct code. Insert the code strip when the monitor is off. Wait until the code number appears on the display. Make sure the code number on display matches the number printed on the test strip box. Remove the code strip, the display will show "OFF". This tells you that the meter has finished coding and is ready for Blood Ketone testing.

* Test results may be inaccurate if the code number displayed on the monitor does not match the number printed on the test strip box.




Testing for Blood Ketone Levels

Step 1. Insert a test strip using the foil-wrap into the meter slot


To fully access the test strip, you may have to fold back more of the foil packaging as needed. Carefully insert a test strip into the meter face up with the contact bars going in first. Push it in gently until it goes no further. The meter will automatically turn on, you'll see the (KETONE) symbol appear on the display.

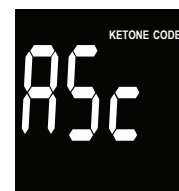
- Make sure the code number on meter display matches the number printed on the test strip box.
- Test results may be inaccurate if the code number displayed on the monitor does not match the number printed on the test strip box.
- **The codes used in this manual are examples only.**

Step 2. Choose Dog Mode/ Cat Mode/ CTL mode

You have three modes to choose from by pressing the **Right Arrow** button; choose Dog, Cat, or CTL (control solution ) mode. If you miss the desired mode, continue pressing the **Right Arrow** button to cycle through the species mode again.

A. Dog Mode

When the dog marker is displayed and the flashing blood drop () indicator appears on the display, go to Step 3 to choose Pre-Meal Mode or Post-Meal Mode or press the **Right Arrow** button to move to Cat Mode.



B. Cat Mode

When the cat marker is displayed and the flashing blood drop () indicator appears on the display, go to Step 3 to choose Pre-Meal Mode or Post-Meal Mode or press the **Right Arrow** button to move to CTL Mode.



C. CTL Mode

When the control solution symbol is displayed and the flashing blood drop () indicator appears on the display, the meter is ready to perform a control solution test. You can perform a control solution test or press the **Right Arrow** button to move back to cycle through the species mode again.

Step 3. Taking a blood sample

Touch the tip of the test strip (which you have previously loaded into the meter) to the drop of blood. Hold the meter and test strip at a 45° angle to better absorb the correct amount of blood (0.3µl). Make sure the test strip confirmation window absorbs enough blood to ensure an accurate reading. The minimum blood sample size is 0.3µl (). The meter will beep and begin a 7 second countdown. If the confirmation window is not filled with enough blood, the result may be inaccurate; E-5 will appear on the meter display. Repeat the test again.



Step 4. Test result with wireless transfer

After 7 seconds, the Blood Ketone test result will appear. This result will automatically be stored in the meter's memory. Upon completion of the test, the bLE (wireless transfer) will automatically activate, indicated by a flashing bLE indicator. The data will be transmitted and stored on the PetTest Digital Companion Application on your mobile phone once paired.

Important Blood Ketone Testing Limitations

- A. Only use PetTest BMB-BK333P test strips with fresh, capillary whole blood samples.
- B. DO NOT perform a glucose test on your pet if they are sick or in poor physical condition.
- C. DO NOT test on newborn animals (neonates).
- D. Blood glucose testing is not for determining a diagnosis, or screening for diabetes.
- E. Extreme humidity may affect your test results. An inside relative humidity greater than 85% or lower than 15% may cause incorrect results.
- F. The PetTest Blood Glucose System should be used at a temperature between 50°F-104°F (10°C - 40°C). Outside this range, the system will cease operation. Bring system within operating temperature range for 20 minutes before using.
- G. DO NOT reuse test strips. ALL test strips are for single-use only.

- H. Accurate results are provided for hematocrit ranges between 15% and 65%; hematocrit levels below 15% may cause higher results; hematocrit levels above 65% may cause lower results.

Understanding Your OnTarget™ Meter Memory

The OnTarget™ meter stores the last 600 Blood Ketone and Blood Glucose test results along with the date, time, and species indicator. It also provides you with 7-, 14-, and 28- day averages of dog or cat blood glucose results, respectively. You can begin to review results stored in the meter's memory by following the next steps.

Note:

Entering Memory Mode Start with the meter off. Press the **Left Arrow** button to show a pet's individual blood glucose concentration. Press the **Right Arrow** button to show the selected average of a pet's blood glucose concentration.

Exiting Memory Mode Any time you want to exit memory mode, press and hold the **Power** button for 2 seconds until the meter turns off.

7-, 14-, and 28-Day Average Results

1. 7-Day Average Dog Result

With the meter turned off, the 7-day average dog mode result appears after pressing and releasing the **Right Arrow** button.

07 DAY AVG = dog average readings for 7-days.

28 DAY AVG = indicates a dog's average readings for 28 days.



Dog marker



2. 7-Day Average Cat Result

With the meter turned off, the 7-day average cat mode result appears after pressing and releasing the **Right Arrow** button.

07 DAY AVG = cat average readings for 7-days.

28 DAY AVG = indicates a cat's average readings for 28 days.



Cat marker



3. 14-Day Average Results for Dog Mode, and Cat Mode

Press the **Right Arrow** button again, the 14-day average Dog Mode result appears. Like Step 2 to 3, 14-day average Dog Mode, and Cat Mode result will appear in order.

4. 28-Day Average Results for Dog Mode and Cat Mode

After 14-day average result, press the **Power** button, the 28-day average Dog Mode result appears. Like Step 2 to 3, 28-day average Dog Mode and Cat Mode result will appear in order.

If you missed the average period you want to view, press **Left Arrow** button to move to last date range.

5. Turning Off the Meter

Press and hold the **Power** button for 2 seconds and the meter will automatically turn off.



Test Results

1. View Your Test Results

With the meter turned off, press and release the **Left Arrow** button. The most recent blood glucose test result with date, time and Dog or Cat mode image will be shown on the display.



2. View the Second Most Recent Test Results



Press the **Right Arrow** button to recall all test results stored consecutively in the meter.

3. Turning Off the Meter

Press and hold the **Power** button for 2 seconds and the meter will automatically turn off



Notes:

- 600 blood glucose tests with date, time, and Dog/Cat mode, and Pre/Post-Meal Mode marker will be stored in the memory. Once the limit is exceeded, the oldest glucose test result will be removed as the newest is added.
- The control solution results are NOT stored in the memory when properly designated.
- The stored results in the memory are marked with a Dog marker () /Cat marker () depending on which mode you chose before the test procedure.
- If no button presses are detected for 2 minutes, the meter will display "OFF" and automatically turn off.
- If no results are stored in the meter's memory, "---" will be shown on the display.

Maintenance & Storage

Step 1. Cleaning Procedure

- Use a sterile disinfectant wipe or towelette to clean the entire meter and all testing materials that aren't discarded until any debris or the bioburden is removed.
- After allowing everything to air dry, proceed to Step 2: Disinfection Procedure.

Step 2. Disinfection Procedure

- Perform the cleaning procedure above prior to performing the disinfection procedure.
- Use a new disinfecting wipe or towelette.
- Thoroughly wet the entire surface of the meter through several passes horizontal and vertical as demonstrated to complete the disinfection procedure. Allow the meter to remain wet for 2-minutes. Perform a similar procedure on all other testing materials.
- Discard the used disinfectant wipe in trash.
- After handling the meter, wash hands thoroughly with soap and water.



Note: DO NOT squeeze the towel when cleaning. It may cause a meter malfunction by soaking the test strip port with excess liquid.

We suggest performing the disinfecting process at least once per week. Check the physical appearance and meter performance after each cleaning or disinfecting procedure.

Physical appearance check list for the OnTarget™ Blood Ketone and Blood Glucose meter

Item	Signs of Deterioration
Display transparency	If the meter display becomes cloudy, opaque and/or difficult to read.
Legibility of marking	The information label affixed to the back of the meter becomes difficult to read.
Polymer crazing	A network of fine cracks begin to appear on the body of the meter.
Cracking	The formation of small cracks begins to appear on the body surface of the meter.
Swelling	Any part of the meter body appearing to have swelled slightly.
Dissolving	The smooth surface of the meter has appeared to dissolve or melt.
Softening	The surface of the meter has become less-than-rigid or has softened in any way.
Becoming brittle	The meter appears to have become brittle with cracks or chips.
Deformation	Any appearance of deformities in the surfaces, edges or corners of the meter.
Cloudy	The the surface of the meter has an appearance of opacity or cloudiness.

Performance check list

Item	Signs of Deterioration
Power on	Inserting a test strip did not turn on the meter.
Power button function	Repeatedly pressing the Power button did not advance to the next Setting.
Left/Right Arrow button function	Repeatedly pressing the Left or Right Arrow button in Setting Mode, numbers can't be scrolled forward or backward.
Testing	After performing a control solution test, the test result doesn't fall within the control solution range specified on the foil packet; the OnTarget™ meter might be malfunctioning.









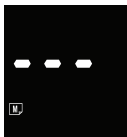

If the results are not acceptable, stop using the OnTarget™ meter and contact customer care service 24/7 at 1-866-373-2824. PetTest will replace the meter with a new OnTarget™ meter.


Step 3. Storage

- Always store or transport your meter, test strips, and control solution in the carrying case after each use.
- Store your meter, test strips, and control solution in a cool and dry place.
- Avoid strong impact or dropping your system.
- Keep away from direct sunlight and heat. Store your meter and strips at 39.2°F to 86°F(4°C to 30°C), 15~85% R.H.
- Immediately after each use, tightly cap the control solution to avoid contamination.
- Write down the discard date on all control solutions vials after first opening (90 days from the first time you open). Do not use test strips and control solutions that have passed their expiration dates.
- Test strips encased in a foil wrap have the expiration date printed on them. Please adhere to the expiration date for accurate readings.
- **Keep test strips and vials away from children.** The cap and the test strip may present a choking hazard, if swallowed, promptly see a doctor for help.
- Handle the meter with care and avoid getting dirt, dust, blood, control solution or any type of liquid inside on the meter or in the test strip port or data port.

Error Messages and Troubleshooting

This system displays error messages when there are problems with the test strip, the meter, or when your pet's blood glucose levels are lower than 20 mg/dL (1.1 mmol/L) or higher than 650 mg/dL (36.1 mmol/L), and Blood Ketone levels are higher than 8.0 mmol/L. These error messages help to identify certain problems but do not appear in all cases when a problem has *already* occurred. Improper use may cause an inaccurate result without producing an error message. In the event of a problem, refer to the information beneath the column head, "What to do" in the following table/chart.

Message	What it means	What to do
	Blood glucose result is lower than 20mg/dL or 1.1 mmol/L (below measurement limit).	Immediately retest. If the reading is still low, seek immediate veterinary assistance
	Blood glucose result is higher than 650 mg/dL or 36.1 mmol/L (above measurement limit).	Immediately retest. If the reading is still high, seek immediate veterinary assistance
	Blood Ketone result is higher than 8.0 mmol/L (above measurement limit).	Immediately retest. If the reading is still high, seek immediate veterinary assistance
	The test strip cannot be identified. An incorrect/or previously used test strip may have been inserted.	Use a new test strip to perform each test. Use only OnTarget™ BMB-BA105P or BMB-BK333P test strips
	An insufficient blood sample is detected on the test strip.	Remove the test strip and retest using a new test strip. Be sure the test strip absorbs a sufficient amount of blood to fill the test strip window.
	When the E-6 error message appears, power is too low to operate the system properly	Charge the meter immediately.
	When the battery symbol appears on the display, the power is too low to operate the system properly.	Charge the meter immediately.
	Operating temperature for the meter is out of normal range.	Move to an interior room with a temperature between 50°F & 104°F (10°C & 40°C). Allow the meter to adjust to the current temperature for at least 20 minutes before performing a test.
	There are no results stored in the meter's memory.	No action is required.
	The average results have not been stored in the meter's memory.	No action is required.

Message	What it means	What to do
	The meter alarm sounds reminding you the power is still on and ready for the next test.	Either insert a new test strip to continue testing or press the Power button to turn off the meter.
Meter display does not display a message after inserting a test strip	No power, the internal battery might be dead.	Meter requires charging.
	Test strip may have been inserted upside down or incompletely.	Correctly insert the test strip with the <i>contact bars</i> inserted first. Press gently until snug.
	The meter is defective.	Call Customer Support. 1-866-373-2824
Testing procedure does not start after test strip absorbs a blood sample	Insufficient blood sample. See page 18.	Repeat the test using a new test strip. Make sure the test strip window absorbs enough blood to ensure an accurate reading.
	Defective test strip.	Repeat the test with a new test strip.
	Sample applied after automatic shutoff (2 minutes after last user action).	Repeat the test with a new test strip. Testing can begin when the blood drop symbol appears on the display.
	The meter is defective.	Call Customer Support. 1-866-373-2824

Message	What it means	What to do
Control solution test result is out of range	Error in performing the test.	Read the instructions thoroughly and repeat the test again.
	Did not shake the control solution vial enough.	Shake the control solution vigorously and repeat the test again.
	Expired or contaminated control solution.	Check the expiration date or the discard date of the control solution.
	Control solution that is too warm or too cold.	Bring control solution, meter, and test strips to room temperature 68-77°F (20- 25°C) before testing
	Control solution is stored outside of the specified temperature range, which is from 35°F to 86°F (2°C to 30°C).	Use a new bottle of control solution that has been stored within the specified temperature range.
	Test strip deterioration.	Repeat the glucose test with a new test strip.
	Defective meter.	Please call Technical Support for help.

Never try to disassemble the meter under any circumstances. If you encounter any error messages not listed above or if you have followed the actions recommended but the problem remains unsolved, please call **Technical Support 24/7** at 1-866-373-2824.

Specifications for the OnTarget™ Meter

Model No.	BMB-EQ155L	
Dimension	89.5(L) x 54(W) x 18(H) mm	
Weight	52g	
Power Source	Polymer Li-ion Rechargeable Battery	
Battery Life	Over 500 tests	
Auto Turn-off	2 minutes after idle.	
Memory Capacity	600 measurement results	
Daily Alarm Function	4 sets	
Measurement Range	Glucose	20-650 mg/dl
	Blood Ketone	0.0-8.0 mmol/L
Test Time (sec.)	Glucose	4 secs
	Blood Ketone	7 secs
PC Interface	Type-C	
Wireless transmission	bLE	
Speaking Function	None	
Auto Turn-off (sec.)	120 secs	
Chemical Components	Enzyme, Polymer, and mediator.	
Operating Condition (Temp./Humidity)	10°C-40°C / RH15%-85% (noncondensing)	
Storage Condition (Temp./Humidity)	4°C-30°C / RH15%-85% (noncondensing)	

NOTE: The device has been certified to meet the electrical and safety requirements of: EN/IEC 60601-1(Safety), EN/IEC 60601-1-2(EMC), CISPR 11(ClassB, Group1).

This device uses bLE for wireless communication.
Emission are low and not likely to cause interference in nearby electronic equipment.

- Receiving Frequency Band: 2402–2480 MHz
- Preferred Band: 2402–2480 MHz
- Receiver Bandwidth: 2 MHz per channel
- Transmission Frequency Band: 2402–2480 MHz
- Modulation Type: GFSK
- Channel Spacing: 2 MHz
- Maximum Effective Radiated Power: ≤10 dBm

Precaution:

1. During BLE connection or measurement, avoid being near a strong radio-frequency (RF) sources, such as microwave ovens, or Wi-Fi routers.
2. If abnormal behavior occurs due to an electrostatic discharge (e.g., screen flickering, or unexpected disconnection), turn the device off and restart it. Restarting should restore normal function.
3. This device has been tested and has passed ± 15 kV air discharge and ± 8 kV contact discharge, meeting the immunity requirements for use in home environments.

Warning:

1. Avoid using this equipment adjacent to, or stacked with other equipment. This should be avoided or it could result in an improper operation. Providing this is necessary, the OnTarget™ meter and the other equipment should be observed to verify that they are operating normally.
2. Use of accessories, transducers and cables other than those specified or provided by the manufacturer for this equipment could result in increased electromagnetic emissions or in decreased electromagnetic immunity of this equipment and result in improper operation.
3. Portable RF communications equipment (including peripherals such as antennas cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the air purifier, including cables specified by manufacturer. Otherwise, degradation of the performance of this equipment could result.

Statements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation. FCC ID:2BEEVPETLINK–EV099L:

FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

To assure continued FCC compliance:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Exposure to Radio Frequency Radiation:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- The equipment complies with IEC 61326-1. Emissions are low and not likely to cause interference in nearby electronic equipment.
- The equipment is tested for immunity to electrostatic discharge as specified in IEC 61000-4-2, at a level of 8kV for Air Discharge and 6kV for contact discharge.
- The equipment is tested for immunity to radio frequency interference at the frequency range of 80 MHz to 2.7GHz.

Canada Compliance Statement

Product Marketing Name (PMN):

PetTest OnTarget™ Blood Ketone & Blood Glucose Monitoring System

IC: 32552-BMBEQ155L

HVIN: BMBEQ155L

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference,
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device has been evaluated to meet general ISED RF exposure requirement. The device can be used in portable exposure condition without restriction.

Cet appareil a été évalué pour répondre à l'exposition générale aux RF ISED exigence. L'appareil peut être utilisé dans des conditions d'exposition portables sans restriction.

Warranty

Diabetic Supply of Suncoast, Inc. warrants to the original purchaser that this instrument will be free from defects in materials and workmanship for a period of ONE (1) year from the date of purchase (except as noted below). The warranty is not transferable. This warranty is subject to the following exceptions and limitations:















1. This warranty is valid only if the Warranty Registration is completed with date of purchase and serial number and sent to Diabetic Supply of Suncoast, Inc. office within 14 days commencing from the date of purchase. Or, you have registered online. See inside front cover for details.
2. This warranty is limited to replacement due to defects in parts and workmanship.
3. This warranty does not apply to the performance of this product that has been damaged due to abuse, accidents, alteration, misuse, neglect, maintenance by someone other than Diabetic Supply of Suncoast, Inc. or failure to operate the instrument in accordance with instructions. Further, Diabetic Supply of Suncoast, Inc. assumes no liability for malfunction or damage caused by the use of redistributors other than redistributors manufactured or recommended by Diabetic Supply of Suncoast, Inc.

Diabetic Supply of Suncoast, Inc. reserves the right to make changes in design of this instrument without obligation to incorporate such changes into previously manufactured instruments.

References

1. Merck Veterinary Manual: Diabetes Mellitus. Revision May 2013 by David Bruyette, DVM, DACVIM.

Symbol Information

Symbol	Reference	Symbol	Reference
	In vitro diagnostic medical device		Batch code
	Do not re-use		Manufacturer
	Consult instructions for use		Serial number
	Temperature limitation		Caution, consult
	Keep away from sunlight		Biological risks
	Humidity Limits		CE marking
	Use by		FCC approved



The meter should be treated as contaminated and disposed of according to local safety rules. It should not be disposed of with waste electronic equipment. If battery is removable, the battery must be disposed of in accordance with laws in your country. Contact your competent local administration for information on the relevant laws regarding disposal and recycling in your area.



Distributed By:

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Customer Service: 1-866-373-2824 | Available 24 hours a day/7 days a week
PetTestMarketPlace.com | PetTestVet.com/blogs



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Taoyuan City 32057, Taiwan (R.O.C)



Managing Pet Health

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