Quick Guide / Instructions for use
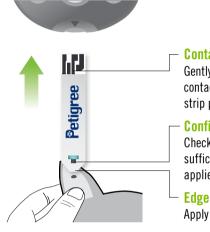
Petigree™
Blood Glucose Monitoring for your Pet

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1. Petigree Blood Glucose Meter

Data Port
Used to transfer data from the meter to a computer with a standard USB mini cable *(not included)*

▲ Button
Selects or changes information

S Button
Turns the meter on/off and confirms menu selections

Display
Shows results, messages

Ejection Button
Discard a used test strip

▼ Button
Selects or changes information, selects the dog or cat mode

Test Strip Port
Insert test strip here

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2. Petigree Blood Glucose Meter Display

1 **Alarm:** appears when the time alarm has been set.

2 **Mem:** appears when test results stored in the memory are displayed.

3 **Check:** appears when the control solution test results are saved or displayed.

4 **Blood insertion symbol:** indicates meter is ready for the application of a drop of blood or control solution.

5 **Pet symbol:** shows the set mode for a dog or cat. This symbol can be changed in SET mode or immediately prior to blood insertion.

6 **Hypoglycemia symbol:** appears when the test result is below the pre-set hypoglycemic level.

7 **Mute symbol:** appears only when the sound is set to OFF.

8 **mg/dL, mmol/L:** units for measuring blood glucose

9 **Battery symbol:** indicates meter battery is running low and needs to be replaced.

10 **Month/Day/Hour/Minute**

Note: It is recommended to check if the display screen on the meter matches the illustration above every time the meter turns on. Do not use the meter if the display screen does not exactly match the illustration as the meter may show incorrect results.

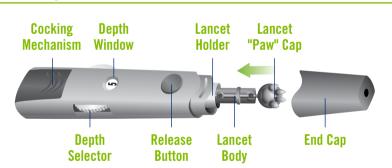## 3. Petigree Blood Glucose Test Strip

Contact bars
Gently push the test strip, with its contact bars facing up, into the test strip port of meter

Confirmation window
Check here to see whether sufficient blood sample has been applied

Edge to apply blood sample
Apply blood sample here for testing

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4. Lancing Device

Cocking Mechanism
Depth Window
Lancet Holder
Lancet "Paw" Cap
Depth Selector
Release Button
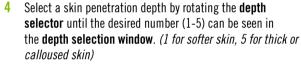**Lancet Body**
End Cap

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5. Preparing the Lancing Device

1 Wash your hands and sample site with soap and warm water. Rinse and dry thoroughly.

2 Remove the **end cap** by gently pushing it down and away from the lancing device.

3 Firmly insert a newsterile **lancet** into the **lancet holder**. Holding the lancet firmly, gently twist/pull off protective **"paw" cap**. Replace lancing device end cap.

4 Select a skin penetration depth by rotating the **depth selector** until the desired number (1-5) can be seen in the **depth selection window**. *(1 for softer skin, 5 for thick or calloused skin)*

5 Pull back on the lancing device **cocking mechanism** located at the back of the device until it comes to a stop. The cocking mechanism will return to its original position upon release.

6 Press the lancing device end cap firmly against the test site and press the **release button** to obtain blood sample. Blood samples may be obtained from the marginal ear vein and paw pad for both cats and dogs; inner/outer lip and leg callus for dogs only.

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6. Preparing the Meter and Test Strip

Insert a test strip with the contact bars facing upwards into the meter's test strip port. Push the strip in gently until the meter beeps. Be careful not to bend the test strip. The ♞ symbol will appear on the screen.

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7. Applying Blood Sample

1 A minimum volume of 0.4 microliter is needed to fill the confirmation window.(Actual size of 0.4 µL : ●)

2 When ♞ symbol blinks on the screen, press and hold the ▼ button to select the pet mode (dog/cat). Then, apply the blood sample to the narrow end of the test strip till the meter beeps. If the confirmation window is not filled in time because of abnormal viscosity (thickness and stickiness) or insufficient volume, the Er4 message may appear. It is recommended that the application of blood sample to the test strip be performed virtually vertical to the sample site.

3 The test result will appear after the meter counts down from 5 to 1. The result will be automatically stored in the meter's memory. Gently apply pressure to the test site with sterile gauze or cotton wool to help stop the blood flow. Slide the ejection button to discard the used strips safely in disposable container. If the test strip is removed after the test result is displayed, the meter will automatically switch off after 3 seconds.

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8. Discarding Used Lancets

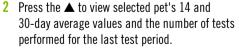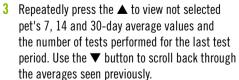Remove lancing device end cap.
Remove the used lancet and dispose of lancet safely in an appropriate sharps container.

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9. Viewing Averages

The set pet
The number of tests
▲ button
Average (7,14,30 days)
▼ button
▲ button
Average (7,14,30 days)
▼ button
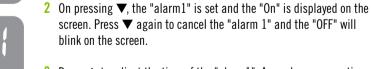
1 Press the ▲ or **S** button to turn the meter on. After displaying the current date and time, the selected pet's most recent 7-day average data and the number of test results will appear on the screen.
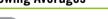
2 Press the ▲ to view selected pet's 14 and 30-day average values and the number of tests performed for the last test period.

3 Repeatedly press the ▲ to view not selected pet's 7, 14 and 30-day average values and the number of tests performed for the last test period. Use the ▼ button to scroll back through the averages seen previously.

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10. Viewing Test Results

The set pet
The number of tests
▼ button
▲ button

1 Press the ▲ or **S** button to turn the meter on. After displaying the current date and time, the selected pet's most recent 7-day average data and the number of test results will appear on the screen.

2 Use the ▼ button to scroll through the test results, starting from the most recent and ending with the oldest. Press the ▲ button to return to the result seen previously. After checking the stored test results, press the **S** button to turn off the meter.

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11. Setting the Time Alarms (Alarm 1-5)

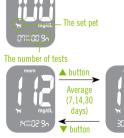1 Without inserting a test strip, press ▲ and the **S** button simultaneously for 3 seconds to enter the time alarm mode. The "alarm1" will be displayed while the "OFF" blinks on the screen.

2 On pressing ▼, the "alarm1" is set and the "On" is displayed on the screen. Press ▼ again to cancel the "alarm 1" and the "OFF" will blink on the screen.

3 Press ▲ to adjust the time of the "alarm1". A number representing the time will blink on the screen. Press ▼ to set the time. Press ▲ to end.

4 On pressing ▲, the number indicating the minute will start blinking. Press ▼ to set the accurate minute.

5 Press the **S** button to finish and to enter the "alarm2" mode. Repeat steps 2 to 5 to set the remaining time alarms (Alarm 2-5). Press the **S** button for 3 seconds to finish and turn the meter off.
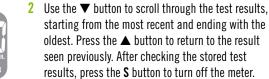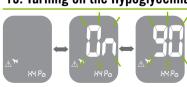
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12. Setting the Pet Mode

Press and hold the **S** button for 3 seconds to enter the SET mode. Press **S** button 8 times to set the pet mode. The screen will display the dog symbol with a "d". On pressing the ▲ or ▼ button, the screen will display the cat symbol with a "c". Press the **S** button to select the desired pet mode setting.

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13. Turning on the Hypoglycemia (HYPo) Indicator

Press and hold the **S** button for 3 seconds to enter the SET mode.
Press **S** button 9 times to turn on the Hypoglycemia (HYPo) Indicator. The hypoglycemia symbol ⚠ and "HYPo" will appear on the screen. On pressing the ▲ or ▼ button, the screen will display On or OFF. Press the **S** button when "On" appears to set the hypoglycemia level. Press the ▲ or ▼ button until the desired hypoglycemia level between 10 and 90 mg/dL (0.6 and 5.0 mmol/L) is displayed. Press the **S** button to confirm the level.

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14. HI and Lo Messages

"HI" appears when the blood glucose level is greater than 600 mg/dL (33.3 mmol/L) and indicates severe hyperglycemia (much higher than normal glucose levels). If "HI" is displayed again upon retesting, please contact your veterinary professional immediately.

"Lo" appears when a test result is less than 10 mg/dL (0.6 mmol/L) and indicates severe hypoglycemia (very low glucose levels). If "Lo" is displayed again upon retesting, please contact your veterinary professional immediately.

15. Understanding Error Messages

Er1 — A used test strip was inserted.
Repeat the test with a new test strip.

Er2 — The blood or control solution sample was applied before the ▲ symbol appeared.
Repeat the test with a new test strip and wait until the ▲ symbol appears before applying the blood or control solution sample.

Er3 — The temperature during the test was out of the operating range.
Move to an area where the temperature is within the operating range (5-50°C/41-122°F) and repeat the test after the meter and test strips have reached a temperature within the operating range.

Er4 — The blood sample has abnormally high viscosity or insufficient volume.
Repeat the test after inserting a new test strip.

Er5 — This error message may appear when the wrong blood glucose test strip is used instead of Petigree blood glucose test strip.
Repeat the test with a Petigree test strip.

Er6 — There is a problem with the meter.
Do not use the meter. Contact technical support at 1-770-847-8377.

16. Important Information

Intended Use:
The product is *in-vitro* diagnostic medical device (IVD). The intended use of the product is for monitoring blood glucose in a dog or cat with diabetes, using capillary whole blood, venous blood sample and test strip reagent technology.

- The Petigree Blood Glucose Monitoring System is intended for use in monitoring glucose samples taken from the dog or cat.
- **The Petigree Blood Glucose Monitoring System is not for human use.**
- The Petigree Blood Glucose Meter should be used only with the Petigree Test Strips.
- Apply fresh whole capillary blood to the test strip. Fresh venous blood may also be used only if drawn by veterinary professional.
- Fresh venous blood specimens containing the anticoagulants EDTA and Heparin is acceptable. Iodoacetate or fluoride/ oxalate are not recommended.

17. Caring for the System

Use a soft cloth or tissue to wipe the meter exterior. If necessary, dip the soft cloth or tissue in a small amount of alcohol.
Do not use organic solvents such as benzene, acetone, or any household and industrial cleaners that may cause irreparable damage to the meter.

- Do not expose the meter to direct sunlight or heat for an extended period of time.
- Do not let dirt, dust, blood, or water into the meter's test strip port.
- Do not drop the meter or submit it to strong shocks.
- Do not try to fix or alter the meter in any way.
- Strong electromagnetic radiation may interfere with the proper operation of this device. Keep the device away from sources of strong electromagnetic radiation, especially when measuring blood glucose of dogs or cats.
- Keep the meter in a cool and well ventilated place.
- Store all the meter components in the portable case to prevent loss and help keep the meter clean.

The information in this manual is correct at the time of printing. However, Petigree reserves the right to make any necessary changes at any time without notice as our policy is one of continuous improvement.

Product specifications

Measurement range	10 ~ 600 mg/dL (0.6 ~ 33.3 mmol/L)
Sample size	Minimum 0.4 µL
Test time	5 seconds
Sample type	Fresh capillary whole blood, Fresh venous blood
Calibration	Plasma-equivalent
Assay method	Electrochemical
Battery life	Approximately 3,000 tests
Power	Two 3.0V lithium batteries (disposable, type CR2032)
Memory	500 test results
Size	92 X 52 X 21 (mm)
Weight	55 g (with batteries)

Operating ranges

Temperature	5-50°C (41-122°F)
Relative humidity	10-90%
Hematocrit	20-60%

For Technical Support:
1-770-847-8377
Monday - Friday (9am - 5pm EST)
For product information including reordering our trademark Petlet™ "paw" Lancets or Petigree™ Blood Glucose Test Strips go to:
www.PetigreeDiagnostics.com
or call: **1-770-988-PETS (7387)**

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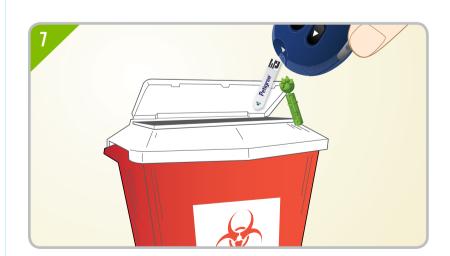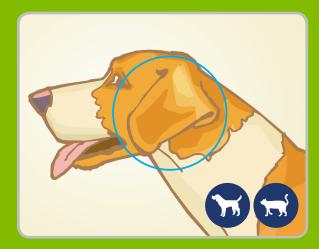
Manufactured exclusively for:
Petigree Enterprises LLC.
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mg/dL   mmol/L