

QUICK START GUIDE FOR THE ALIVECOR® VETERINARY HEART MONITOR  
FOR THE MOST UP-TO-DATE INFORMATION ON YOUR PRODUCT PLEASE  
VISIT [ALIVECORVET.COM/MANUALS](http://ALIVECORVET.COM/MANUALS)

CAUTION

For veterinary use only.

PRODUCT DESCRIPTION

The AliveCor® Veterinary Heart Monitor (“Veterinary Heart Monitor”) is a mobile, clinical-quality veterinary electrocardiogram (ECG) recorder for use by both veterinarians and animal owners. It consists of three components:

1. The Veterinary Heart Monitor which snaps onto the iPhone® 4/4s or 5/5s (“iPhone”) and contains sensors and electronics used to collect ECG data and transmit it to the iPhone. (“Hardware”)
2. The Veterinary AliveECG mobile application (App) used to collect, view, save, and wirelessly transmit the ECG data to the AliveCor server. (“Software”)
3. A user-supplied iPhone (iPhone must be purchased separately; not supplied by AliveCor)

The Veterinary Heart Monitor enables the veterinarian or animal owner to:

- Collect and view single-lead ECG data using the iPhone
- Store ECG data on the iPhone
- Wirelessly transmit ECG data to the AliveCor server using a Wi-Fi or cellular data connection
- Access ECG data stored on the AliveCor server from anywhere in the world (where the internet is accessible)

Expectations of the Veterinary Heart Monitor:

- This device measures heart rate and heart rhythm only.
- This device does not detect or measure all heart rate, heart rhythm and heart waveform changes, especially those related to ischemic heart conditions.

PRECAUTIONARY INFORMATION

The Veterinary Heart Monitor is intended to be used by licensed veterinary professionals or animal owners to obtain single-lead electrocardiogram (ECG) rhythms from dogs, cats and horses.

General Warnings and Precautions

- Animal owners should always consult their veterinarian if they notice changes in their animal’s condition, regardless of measurement results.
- The device should not be used in conjunction with water, or in a wet environment.
- Do not take measurements in a location where the unit will be exposed to strong electromagnetic forces, such as near an arc welder, high-power radio transmitter, etc.

## Complications

There are no known medical complications arising from use of the Veterinary Heart Monitor.

## Maintenance and Handling

The Veterinary Heart Monitor contains built-in electronics. Store it at room temperature and avoid contact with water. The Veterinary Heart Monitor should be stored in a dry place when not in use. The storage temperature range is -4 to +113°F (-20 to 45°C).

No maintenance of this system is required, except:

- The battery should be replaced when necessary.
- Do not use batteries of a type other than coin cell, 3.0V, model CR2016 (iPhone 4/4s) or CR2032 (iPhone 5/5s).
- Be certain to insert the battery with correct polarity.
- Do not otherwise disassemble, repair, or modify the unit.
- Do not record if the electrodes are dirty. Clean them first.
- The electrodes should be cleaned using alcohol-based sanitizer before each use. Use a non-abrasive cloth or cotton swab to ensure no scratching of the device electrodes.
- Do not expose the unit to strong shocks or vibrations. Do not drop or step on the unit.
- Do not use this unit in locations subject to high or low temperatures or humidity. It should be used within the temperature range of +50 to +104°F (+10 to +40°C), and between relative humidity (RH) of 30 and 85%.
- Do not wash this unit with water.

## Storage

Do not store the unit in:

- Locations exposed to direct sunlight
- Locations subject to high temperatures and high humidity
- Wet or damp locations where water may get on the unit
- Dusty locations
- Near fires or open flames
- Locations exposed to strong vibration
- Locations exposed to strong electromagnetic fields

## Important Safety Notes

**THIS UNIT IS NOT DESIGNED OR INTENDED FOR COMPLETE DIAGNOSIS OF CARDIAC CONDITIONS.**

- Do not use this device with a defibrillator.
- Do not use in the presence of flammable anesthetics, drugs or pressurized oxygen (such as in a hyperbaric chamber, ultraviolet sterilizer or oxygen tent).
- If you are not a veterinarian, do not attempt to diagnose or treat your animal based on the measurement results and analysis.
- Always consult your veterinarian. Diagnosis or treatment performed by someone other than a licensed veterinarian may lead to deterioration in your animal's condition.
- Do not use this device during an MRI scan.
- Do not use this device on animals with sensitive skin or allergies.

- When your animal experiences symptoms potentially related to heart disease, always consult your veterinarian, even if the measurements appear normal.
- If the portion of the body where the electrode is applied has too much body fat, body hair or very dry skin, a successful reading may not be possible.
- Do not expose the unit to static electricity. Always disperse any static electricity from your body before handling the unit.
- Do not take measurements in a moving vehicle.
- Keep out of reach of infants, small children, or anyone incapable of using the device properly.
- Do not use for any purpose other than obtaining an electrocardiogram.

## PREPARING THE VETERINARY HEART MONITOR FOR USE

### Unpack the Veterinary Heart Monitor

1. Remove the Veterinary Heart Monitor from the box.
2. Snap the Veterinary Heart Monitor onto the back of your iPhone, making sure to align the cutout on the monitor with the camera on the back of your iPhone.
3. Using your iPhone, access the App Store.
4. Search for the Veterinary AliveECG app.
5. Download and install the app.

### NOTE

The Veterinary Heart Monitor will only fit on an iPhone. To remove the Heart Monitor from your iPhone, place your thumb in the camera hole cutout, and gently push while pulling back on the top-left corner. The iPhone should pop out easily. Avoid pulling the monitor off the iPhone using other methods, as this may cause damage to your Heart Monitor.

### Set Up an AliveCor Account

You will use your AliveCor account to transmit ECG data to the web, and to access, print and save an animal's ECG data stored on the AliveCor server. An account can be set up either within the Veterinary AliveECG app, or at [www.alivecorvet.com](http://www.alivecorvet.com).

## COLLECTING ECG DATA USING VETERINARY HEART MONITOR

1. Remove any headphones that are attached to the iPhone, and disconnect the iPhone from charging cable.
2. Clean the two electrodes before each use, using a non-abrasive soft cloth or cotton swab, moistened with an alcohol-based sanitizer.
3. Move away from similar types of products, such as audio and video products that could cause interference.
4. Make sure the Veterinary Heart Monitor is properly attached to your iPhone.
5. Using your iPhone, launch the Veterinary AliveECG app.
6. To record the frontal precordial ECG:
  - Lay the animal down on its right side.
  - Wet the intended use area on the left side of the animal's chest with alcohol (no need to shave in most cases). Do not apply alcohol or use if the area is irritated or wounded.
  - In some cases, moving hair aside or even shaving the animal may be necessary to obtain

a proper recording.

- Place the Monitor at a diagonal (~45° angle) on the chest, parallel to and above the long axis of the heart. For a diagram of use, please consult the online user's manual at [www.alivecorvet.com/manuals](http://www.alivecorvet.com/manuals).
- Orient the Monitor so the iPhone's round button is closer to the animal's head for proper polarity, otherwise the ECG will be displayed upside down.
- Using the Veterinary AliveECG app, follow instructions to begin recording.
- Apply firm, even pressure during ECG collection.
- Adjust settings within the app to allow for shorter or longer recordings.
- When the recording is completed it will automatically be stored on the device.

## VIEWING RECORDED ECGS

Previously recorded ECGs can be viewed either locally within the Veterinary AliveECG app or by logging into your account at [www.alivecorvet.com](http://www.alivecorvet.com).

## LIMITED WARRANTY AND RETURNS POLICY

This Limited Warranty and Returns Policy ("Limited Warranty") applies to AliveCor Veterinary Heart Monitor (the "Product") and is given by AliveCor, Inc., to the individual or entity (the "Owner") who purchased the Product from AliveCor or an AliveCor authorized dealer in case of warranty. This Limited Warranty applies only within the United States and countries specified in any contract(s) with any distributor(s), where the products are available for sale to customers located in such countries, and is not transferable.

### 14-Day Return Policy

If you purchased the Product directly from AliveCor, then you may return the Product within 14 days of receiving it. In order for a refund under this Returns Policy to be granted, you must request a Return Merchandise Authorization (RMA) number from AliveCor during the 14-day period following the date you received the Product from AliveCor. You may request an RMA number by submitting a request at <https://support.alivecorvet.com>. If you purchased the Product from an authorized dealer, then you must follow the return policy of that authorized dealer.

If the Product is returned in accordance with this Returns Policy, AliveCor will credit the account you used to make the original purchase with the full purchase price you paid for the Product and any applicable taxes minus any shipping and handling charges you paid when you purchased the Product. You are responsible for and must prepay all return shipping charges and you assume all risk of loss or damage to the Product while in transit back to AliveCor.

The time to credit your account may vary, depending on processing time. Please allow up to 4 weeks for AliveCor to credit the account used to make the original purchase. If you received a damaged Product directly from AliveCor, please contact AliveCor Customer Support. If you purchased the Product from a retailer

or distributor other than AliveCor, please contact that retailer or distributor regarding non-warranty returns.

#### Manufacturer's Limited Warranty

AliveCor warrants to the Owner that the Product will materially conform to its published specifications and be free from defects in materials and workmanship under normal use for a period of ONE YEAR commencing on the date of delivery (the "Warranty Period").

If the Product proves defective during the Warranty Period, we would ask you to follow the instructions set out below for returning the Product, and AliveCor will replace the Product with a product that is the same or equivalent to the Product you purchased.

A replacement Product assumes the remaining warranty of the original Product, or 30 days from the date of replacement, whichever is longer. AliveCor reserves the right to either replace any discontinued Product with a new product of comparable value and function.

#### How to Obtain Warranty Service

To obtain warranty service on Product purchased through an AliveCor authorized dealer, please follow the instructions provided to you by that authorized dealer.

To obtain warranty service on a Product purchased directly from AliveCor, contact AliveCor Customer Support.

If AliveCor determines that a Product is eligible for warranty service, AliveCor shall bear the costs associated with returning a Product for warranty service. AliveCor is not responsible for items damaged or lost in transit.

A replacement Product provided under this Limited Warranty will only be dispatched to addresses within the United States, European Union and addresses within countries of the European Free Trade Association where the Product is available for sale to customers in such countries.

#### What is Not Covered?

This Limited Warranty will be void if the Product: (a) is used in any manner that is inconsistent with the intended purpose or design of the Product as described in AliveCor's published documentation for the Product, (b) is altered in any way, (c) the Product is used or maintained in any manner that is inconsistent with AliveCor's instructions or warnings included with the Product or (d) the Product is subjected to any other misuse, abuse, neglect, accident, or external forces.

This Limited Warranty does not cover normal wear and tear.

AliveCor does not warrant that the operation of the Product will be uninterrupted or error-free. To the greatest extent permitted by applicable law, the warranties set forth in

this Limited Warranty are exclusive and in lieu of all other warranties, express or implied.

#### Limitation of Remedies

Resellers, agents, or employees of AliveCor are not authorized to make any modification, extension, or addition to this Limited Warranty.

This Limited Warranty replaces all other AliveCor warranties and liabilities whether oral, written, (non-mandatory) statutory, contractual in tort or otherwise, including without limitation, and where permitted by applicable law, any implied conditions, warranties or other terms as to satisfactory quality or fitness for purpose.

To the extent permitted by applicable law, AliveCor does not assume any liability for loss of or damage to or corruption of data, for any loss of profit, loss of use of Products or functionality, loss of business, loss of contracts, loss of revenues or loss of anticipated savings, increased costs or expenses or for any indirect loss or damage, consequential loss or damage or special loss or damage.

To the extent permitted by applicable law, AliveCor's liability shall be limited to the purchase value of the Product.

#### Other important notices

The rights provided to you under this Limited Warranty are provided in addition to all rights and remedies conveyed to you by consumer protection laws and do not affect your legal (statutory) rights under your applicable national law.

This Limited Warranty is offered subject to AliveCor's Veterinary Heart Monitor Terms and Conditions, which may change from time to time. You can find the latest version on our website at: <http://www.alivecorvet.com/tos>. In the case of any inconsistencies between the Terms and Conditions and this Limited Warranty, this Limited Warranty will prevail.

This Limited Warranty does not apply to any mobile device or the cellular and/or other network or system on which the Product operates. Therefore, AliveCor will not accept any responsibility under this Limited Warranty for the operation, availability, coverage, services or range of the cellular or other network or system.

Always completely follow safety, use, operation, and maintenance instructions for the Product or any other AliveCor product.

Please remember to make back-up copies or keep written records of all important content and data stored in your Product, because content and data may be lost during replacement of the Product. AliveCor, shall not under any circumstance be liable either expressly or impliedly, for any damages or losses of any kind whatsoever resulting from loss of, damage to, or corruption of, content or data during replacement of the Product.

Veterinary  
Heart Monitor  
Quick Start Guide  
Compatible with iPhone®  
4 / 4s or 5/5s

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