

# Holter Supplies

Items in holter package (**refer to this when return shipping**):

1. Stethoscope
2. Cassette Recorder
3. Cassette Recorder Case
4. Wires
5. 1 set of Electrodes (do not send these back)
6. Pictures of connected wires

You will need to supply:

- A. 2 new AA batteries
- B. 1 roll Coaches Athletic Tape by Johnson & Johnson (Walmart or Walgreens)  
**Do not substitute the tape. Others have come off and some have ripped hair off the dog when removed and left large red skin irritations.**
- C. Rubbing alcohol
- D. 1 T-shirt to fit the dog

Instructions on next pages.

## Holter Instructions

1. **Listen** with the stethoscope to both sides of dog's chest cavity to see where the heartbeat is the loudest. Sometimes it will be close to the armpit. You will want to put the Electrodes on that area.
2. **Shave** a straight line down the dog's side from topline to bottom where you will stick Electrodes. Be sure to make it wide enough for the width and length of the Electrodes.



3. **Wipe** off with alcohol shaved area with alcohol.

4. **Peel & Stick Electrodes** one at a time.
5. Carefully and slowly peel off the Electrode so the sticky contact gel remains on each Electrode.
6. **Place the Electrodes** on the dog starting at the bottom of the chest over the heart with the white tab up towards the ceiling.
7. Do one side at a time, placing the Electrodes as close together as you can (see pictures). A tiny bit of the tape can overlap if it's a small dog.
8. Place two Electrodes on the dog's left side and three Electrodes on the dog's right side.



9. **Attach the wires** as shown in the picture.

10. Have someone hold the wires on top of the dog's back, (see picture) with the connector facing the dog's neck.

11. **Snap the Wires** on the Electrodes (top to bottom).

12. On the dog's left side, attach the **black** on top and **green** on the bottom over the heart.



13. On the dog's right side, attach the **red** on top, the **white** in the middle and the **brown** on the bottom over the heart.



14. **Tape – always start and end at the top** so you can find it when you have to peel it off.
15. Begin taping at the top over the taped part of the wires and tape down to cover the Electrodes. Don't worry about the wires hanging out at this time.
16. Tape should be applied firmly, but not constricting. If the tape is not applied firmly, electrodes can loosen from the dog's skin and you will not get a reading on that electrode.
17. Start the tape at the top. Hold the tape on the dog's shoulder and pull it out long enough to go to the bottom of the dog's chest. Then apply tape firmly, but not constricting.
18. Switch sides. Pull the tape straight out from the dog (it's at the bottom of their chest now) towards you enough to go to the top of the dog. Then apply tape firmly, but not constricting.



19. Once you have made one full round, continue until you tape well under their arm to **cover the Electrodes**. It is easier if you lift their leg forward as if they are taking a step. Cover the Electrodes on both sides.
20. You can begin to tuck in wires during your taping at this time. You will use a little over half the roll of tape.



21. **Put the batteries in the Recorder.** The data card disk is already in the recorder. This will begin formatting the disk and you will see the progress in the window. When it is fully formatted, you will see three straight lines in the window.
22. **Attach the Wire connector to the recorder. There is only one way that the connector will fit. Turn it slightly until you feel it catch, then turn the connector until snug.**
23. You will see heartbeats in the window. It will be slightly erratic until they stabilize. You should see heartbeats on all 3 lines to know that you have connected the leads correctly.
24. **Slide the recorder into the case. Try not to touch the top of the recorder, or it will record your heartbeat in addition to the dog's.**



25. Place the case with recorder on the dog's back on top of tape over shoulders with connector still facing the dog's neck.

26. **Tape the case** onto the dog's back using the same method of taping as when you applied it to cover the wires.



27. Use almost all of the tape making sure you cover the full width of the case (both ends).

28. **Put the T-shirt** on the dog. Pull it together at the dog's waist and tie at the top of the dog's back with the first part of a shoe tie (or like when women tie a t-shirt at their waist). Then tape the remaining little bit of tape around it so it won't come undone.



29. Remember what **time the recorder started** recording heartbeats. Wait 24 hours and **remove the holter.**

30. **Always UNPEEL tape.** Never cut through tape or you will cut the wires (\$75.00 to replace).

31. Unsnap and throw away the electrodes (not the wires). They are a one-time use only type. Remove the batteries. The recorder stops recording shortly after 24 hrs.

32. Mail it all back priority. Insure it for \$1,100 as that should cover the recorder, wires and stethoscope.