



BioPRYN[®]_{wild} Pregnancy test Sampling & Shipping Instructions

How to obtain blood sample from wildlife?

1. Be sure animal is held securely in proper restraint equipment or properly sedated to prevent injury to animal and handler.
2. Clip the animal's neck to see the jugular vein easier. Use electric shears to shave a patch approximately 4 inches wide by 8 inches long. Shaving an area allows for easier viewing of the vein and provides a clean area in order to minimize the chance of introducing dirt or bacteria into the vein with the needle.
3. Screw the vacutainer needle onto the needle holder.
4. Insert the vacutainer tube into the other end of the needle holder until the stopper touches the back portion of the needle. Do not puncture the stopper. Hold these assembled materials in one hand.
5. Locate the animal's jugular vein with the other hand. The easiest way to locate the vein is to draw an imaginary line from the middle of the animal's eye down the side of its neck. The vein can be located by applying pressure with the thumb or fingers in the groove on either side of the trachea and below the half-way point of the shaved area. The pressure will cause the vein to pop up and be easy to see.
6. Once the vein has been located, the area needs to be properly cleaned to keep bacteria out of the needle insertion site. This is accomplished by using the surgical scrub on the area. Apply a small amount of the surgical scrub to a few pieces of gauze. Squeeze some of the excess scrub out of the gauze before applying it to the animal to make the process easier. Then the area should be cleaned by starting in the center and working out toward the edge. Never go back over a place that has already been wiped, because bacteria could be carried back into the clean area.
7. The needle holder should be guided into place with the right hand while the left hand is used to apply pressure to the vein. The vein should be easy to see and feel. Try to aim for the center so you will have more of a chance of placing the needle within the vein. Inserting the needle about 1/2 inch deep does not require a lot of force. Apply enough pressure to break through the skin and enter into the jugular vein. Once the needle is in place, apply pressure so that the vacutainer tube is pushed onto the needle. If the needle is in the vein, blood will start to fill the container immediately. If this does not happen, gently withdraw the needle so that the tip comes to the outside of the wall of the vein and re-insert. Gentle prodding may be needed to achieve maximum blood flow. Collect 5 cc or more of blood. Before removing the needle, be sure to remove your left hand, which applies the pressure to prevent blood from exiting through the insertion site. Also, before removing the needle, be sure to remove the vacutainer to prevent the loss of the vacuum in the tube. If the needle is removed from the skin, the vacuum will be lost and a new blood collection tube will be needed. Use a second tube if this happens. You may replace the vacuum by drawing air from the tube with a syringe and needle.



8. Collect 5 cc or more of blood.
9. Withdraw the needle from the skin and remove the tube from the tube holder.
10. Sequentially label the sample vials with the ear tag ID using a permanent marker on the vial **LABEL**. Labeling the tube will assist the laboratory in sample organization and help speed results.

Label Tubes as Illustrated



◀ *Tube Sequence #*

◀ *Animal ID*

5cc or more of whole blood

10. Place the tube in an ice rack or refrigerator until shipment
11. Unscrew the Vacutainer needle from the needle holder and discard the needle into a "sharps" container and re-use the needle holder.
12. Completely fill out the BioTracking BioPRYN_{wild} Pregnancy Test Sample Submission Form. Please be certain that the total number of samples sent is correct.
13. Return samples to the laboratory in a box.
 - a. Bundle tubes together in groups of 1-10 tubes with a rubber band.
 - b. Place inside a leak proof Ziplock bag or baggie.
 - c. Wrap the bundle with absorbent paper towel or newspaper (enough to absorb all fluid if all tubes break). Seal the boxes with packing tape.
 - d. Do not Ship the samples with ice
 - e. If shipping US Post Office write "Exempt Animal Specimen" on the outside of the box
14. Utilize DHL, FedEx, USPS or UPS to ship samples to the laboratory. Make certain that the BioPRYN_{wild} Pregnancy Test Sample Submission Form accompanies the samples.
15. Payment for services may be enclosed in packaging or a statement will be sent at the end of the month.
16. Make certain that vials are placed in a plastic bag with absorbent material in order to prevent leakage during transit.
16. Ship samples to the laboratory at the following address

BioTracking LLC

1150 Alturas Dr Ste 105

Moscow, ID 83843

Questions, Information and Supply Requests – phone 866-876-9736