

BioPRYN[®] Pregnancy test Sampling & Shipping Instructions

How to Tail Bleed Cattle

1. Screw the Vacutainer needle onto the needle holder

2. 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.

3. Lift the cow's tail with the other hand.

4. Insert the needle about 1/2 inch deep and perpendicular to the tail at the underside, midline and at about 3 to 6 inches from the base of the tail. In this region, there is a longitudinal, midline ridge of skin through which you push the needle. The tail is made up of concentric vertebrae. Insert the needle in the direction of a vertebra and not between them. If between, the needle may go too deep and pass through the vein. You may feel the bone with the tip of the needle.



5. Blood will appear at the junction of the stopper and the back portion of the needle once the vein is punctured. If it does not appear, pull the needle out slightly and insert in a different direction until the vein is punctured.

6. Once blood is seen, push the tube/stopper onto the needle. Be sure to keep the needle under the skin since vacuum will be lost if not. The vacuum will pull blood into the tube and if lost, blood cannot be collected. Use a second tube if this happens. You may replace the vacuum by drawing air from the tube with a syringe and needle.

7. Collect 2 cc or more of blood.

8. Withdraw the needle from the skin and remove the tube from the tube holder.

9. 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*

2cc or more of whole blood

10. Place the tube in the 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 BioPRYN[®] Pregnancy 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. Wrap the bundle with absorbent paper towel or newspaper (enough to absorb all fluid if all tubes break). Seal the boxes with packing tape.
 - c. Place inside a leak proof Ziplock bag or baggie.
 - d. Do NOT ship the samples with ice.
 - e. If shipping US Post Office write "Exempt Animal Specimen" on the outside of the box. Do NOT label any samples or shipping materials "Biohazard".
14. Utilize DHL, FedEx, USPS or UPS to ship samples to the laboratory. Make certain that the BioPRYN[®] Pregnancy 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. Ship samples to the laboratory at the following address

Via UPS/FedEx

**DHI Cooperative Inc.
1224 Alton Darby Creek Rd. Suite A
Columbus, OH 43228**

US Mail

**DHI Cooperative Inc.
P.O. Box 28168
Columbus, OH 43228**

Questions, Information and Supply Requests – phone 800-344-6446