



Instructions for Drawing Blood Samples

For Blood Collection Supplies please contact us.

Whatever means of restraint is used it should cause minimal distress and should be quick and safe for both the animal and the person drawing the blood

Blood can be collected from the jugular vein in all ages of cattle and from the tail vein in older cattle. A "Red Top" Vacutainer is the preferred tube for collecting samples.

Jugular bleeding: (3 ml's needed)

- Restrain the animal with the head elevated and pulled to the right or left to expose jugular groove on either side. A halter can be used to pull the animals head to the right or left to gain better control of the head and better access to the jugular groove.
- The jugular groove is a depression in the lower 1/3rd of the neck that extends from the head to near the shoulder. Applying pressure in this groove closer to the shoulder will cause the jugular vein to fill with blood and raise above the point at which you have applied pressure, allowing visual access to the vein.
- Insert the needle through the skin and into the vessel at about a 20 degree angle with the needle pointing towards the head and withdraw the blood sample.
- Remove the needle and apply pressure to stop the bleeding.

Tail bleeding: (3 ml's needed)

- Restrain the animal to prevent it from moving away during the procedure.
- Raise the tail vertically with one hand until it is horizontal with the ground and wipe the underside of the tail to remove any manure present.
- Approximately 150 mm (6 inches) from the base of the tail locate the groove lying in the midline underside of the tail.
- Midway along the body of a tail vertebra, insert a 18-20 gauge needle (attached to a 3-12 cc syringe) perpendicularly to the surface of the skin to a depth of a few millimeters and withdraw the blood sample.
- Alternatively, use a blood collection needle inserted as described above and then slide the "Red Top" Vacutainer on the needle and allow the suction to draw the blood into the tube. This method requires experience and there is the danger of loss of vacuum in the tube in which case a syringe must be used to draw the blood.
- Apply pressure to the site of the venipuncture after withdrawal of the needle, to stop the bleeding.

Iowa State University

LINK TO VIDEO

<https://vimeo.com/196876572>



**965 Carl Jordan Rd, Oakland, KY 42159 • PO Box 394, Smiths Grove, KY 42171
(270) 780-TEST (8378) • office@dltkylab.com**



Packaging and Shipping Blood Samples

DO

- Rubber band samples together in a ziploc bag
- OR
- Shrink wrap vial in white styrofoam containers they came in
- Make sure they are secured in a box
- Label with both a sequential tube number and animal ID

DO NOT

- Throw loose vials in a box
- Ship in an envelope
- Apply tape of any kind to a vial
- Individually wrap vial
- Excessively wrap samples
- Use white or blue top vial
- **would prefer no glass**

It is preferable that blood samples be cooled to room temperature (74 degrees Fahrenheit) and allowed to clot before shipping. Do not agitate the samples and do not place them immediately into refrigeration as this may cause hemolysis (breaking of the cells) and render the sample unusable.

Tubes should be kept in their original box if possible, or wrapped in a manner that will prevent breakage – such as bubble wrap – and then placed inside a sealable bag to prevent leaks. Place inside a sturdy box and padded so that there is NO movement of the items inside. The box should then be carefully sealed with packing tape.

If directions are not followed, a \$25 processing fee will be added to compensate for the additional time spent on your tests.

PLEASE CALL US TO DISCUSS SHIPPING OPTIONS prior to collecting samples, if possible.

Address to ship samples UPS or FedEx:

965 Carl Jordan Rd, Oakland, KY 42159

We allow our clients to use our FedEx Express account to receive a reduced rate. If you are interested in doing so, please contact us BEFORE shipping. If using our pre-printed FedEx labels, please do not drop off at Walgreens or Dollar General locations.

Address to mail samples USPS:

P.O. Box 394 Smiths Grove, KY 42171

Feel free to contact us at

270-780-TEST (270-780-8378)

E-mail: office@dltkylab.com



Client Billing Information

Name: _____

Company: _____

Mailing Address: _____

City, State Zip: _____

Shipping Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Cell Number: _____

Second Contact: _____

Email: _____

Preferred Reporting Method:

- Email
- Fax
- Call

Preferred Billing Method:

- Email
- Mail

Preferred Invoice Timing

- At time of testing
- 1st and 15th of the month

Veterinarian: _____

Signature: _____

Date: _____

Office Use Only
 Results Reported To _____
 Called Spoke to _____
 Email Text No Answer _____



Office Use Only
 Log # _____
 Payment _____
 Carrier _____
 Plate _____
 Well _____

Blood Test Submission Form

Name: _____
 Company: _____
 Address: _____
 City, State Zip: _____
 Phone: _____
 Email: _____
 Fax: _____
 Date Sent: _____
 Total # Samples: _____
 Payment Included: \$ _____

HOW TO LABEL TUBES



Sequential Tube Number

Animal ID Number
 *2cc or more of blood required

WHEN TO SAMPLE

- 1st Calf Heifers** - 25 DPB
- Cows** - 28 DPB and 73 days post-calving
- Embryo Transfer** - 25 days post implant or 32 days post-heat
- Bison** - 40 DPB
- Goats** - 30 DPB
- DPB = Days Post Breeding**

Check All Testing that Apply

Tube #	Animal ID	Days Bred	Cattle Pregnancy \$3 each	Johnes (Cattle Only) \$17 for 1-11 samples or \$7 for 12+ samples	BVD Serum \$4.50 each	Bison Pregnancy \$5 each	Goat Pregnancy \$6.50 each	Sheep Pregnancy \$6.50 each	CAE/ OPP \$6 each
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