

DNA Banking Specimen Requirements

I. Preferred Specimen Requirements

Whole Blood (Livestock / Companion Animals)

Whole blood is the recommended collection method for DNA Banking as it gives the highest yield and quality over other tissue types. Collect whole blood in a 2.5mL PAXGene tube.

Whole Blood Shipping

1. Securely package the blood sample:
 - A. Make sure the blood sample is sealed and the cap is fastened.
 - B. Seal the blood sample in a plastic bio-hazard bag with a folded paper towel.
 - C. Place the bio-hazard bag into a small cardboard box and place the box into the box being shipped.

NOTE: Blood samples collected in PAXgene tubes are stable for several days without the need for ice. These samples can be shipped via standard 2-3 day shipping. If other types of tubes are used, it will need to be shipped with ice.

Whole Blood Shipping using EDTA (purple top tubes) or ACD (yellow top tubes):

- A. Make sure the sample is sealed and the cap is fastened.
- B. Seal the blood sample in a plastic bio-hazard bag with a folded paper towel and an ice pack
- C. Place the bio-hazard bag into a small cardboard box and place into the shipping package.
- D. Sample must be shipped with 1-2 day shipping on ice.

Allflex Tissue Sample Units (Livestock)

Allflex TSU's are recommended for livestock. Allflex TSU units with tissue samples can be submitted and used according to manufactures instructions. For request requiring multiple genetic tests or DNA transfers, multiple tissue units per animal may be required.

Allflex TSU Shipping

- Allflex tubes can be shipped at room temperature in the Allflex collection boxes.

DNA (Livestock / Companion Animals)

Send in screw cap tube at least 5 µg of purified DNA at a concentration of at least 50 ng/ml ideally, minimum 2 µg for limited specimens. Indicate concentration and animal ID on tube label. For requests requiring multiple genetic tests or DNA transfers, send an additional 5 µg DNA if available.

DNA Shipping

- DNA should be in a securely fastened and sealed plastic tube on dry ice or an ice pack

Frozen Tissue (Postmortem)

For postmortem animal specimens, please contact us for shipping and handling requirement.

Submit Samples to:

Resero Genomics
670 E. 3900 S. STE. 202
Salt Lake City, UT 84107
PH: (385)-282-6335

II. Other Specimen (Not Accepted for Banking)

Saliva / Buccal Swabs

Saliva and buccal swabs do not typically meet the yield requirements for DNA Banking. Please send an inquiry if saliva or buccal swabs need to be sent.

Hair Follicles

Hair follicles typically do not meet the yield requirements for DNA banking. We do not accept hair as a DNA source for DNA banking. For additional questions, please contact us.