

DNA Sampling for Special Situations

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Young Animals:

The hair follicle bulbs on young calves are typically not thick enough to provide enough high-quality DNA. For a calf zero to four months of age, a blood sample on an FTA card or whole blood in a tube (refrigerated) is required.

Deceased Animals:

For deceased animals, if semen is not available, send frozen, internal, lean tissue samples that are free from evidence of decay. Use either dry ice or blue-gel ice packs when shipping. For A.I. sires, send straws or ampoules of semen as specified below.

Tissue Samples:

- A dime-sized piece of tissue or meat is preferable
- Make sure it is lean, internal tissue from the animal
- Sample should be sealed in an airtight tube or a plastic bag
- If there are samples from more than one animal, they must be in separate sealed plastic bags or containers
- If samples are from deceased animals, you must collect lean, internal tissue samples from the animal that are free from evidence of decay
- After collection, the sample must be immediately frozen
- Meat samples must be frozen and shipped with cold packs
- Next day delivery is required

Extracted DNA

- Request tubes and/or plates to place and seal sample onto – and submit for testing
- Sample information must be sent to us electronically with a copy that accompanies the plate
- Need 30 – 50ul of DNA per sample
- Must be at least 20ng/ul
- Send frozen (dry ice preferred)
- Do NOT use phenol chloroform extraction

Semen Samples:

Thawed semen samples may be sent with the following packing suggestions:

- Insert straws between two rigid pieces of cardboard with ends taped
- Insert straws into an inexpensive writing pen with the ink tube removed
- Send at room temperature

