

Recommended Sampling and Sending Protocol

Taking of samples

Blood and tissue samples:

- Use EDTA (K2) blood collection tubes. Approximately 2ml of blood is sufficient for DNA analysis. Do not send duplicate samples unless requested by the lab.
- Muscle or skin tissue approximately 1cm x 1cm stored in a saturated salt solution, *i.e.* mix lukewarm water with table salt until the solution is saturated, *i.e.* the salt will no longer dissolve. If available, add 10% dimethyl sulfoxide (DMSO) to the solution. Alternatively, store the tissue in dry table salt.
- Store blood samples at 4°C (**do not freeze**).
- Tissue samples can be frozen, or kept at 4°C.

Hair samples:

- Hair samples can be stored in paper envelopes. Hair samples should preferably be taken from the mane or tail of the animal and **must** have roots attached—approximately 40+ hairs per animal. Do not cut the hair – the roots must be attached.
- Samples can be stored at 4°C, or stored at room temperature.

Sending of samples

Important notes:

1. A sample submission forms must be completed in full and accompany each batch of samples.
2. All samples (tubes and envelopes) must be clearly labelled with an animal ID and/or microchip number.
3. Send samples as quickly as possible – extraction from freshly taken samples improves the quality of the DNA. This is vital, especially for nuclear testing.
4. Courier blood and tissue samples in thermocol iceboxes (or similar) with ample cold packs which are properly sealed to avoid leakage.
5. Do not send samples over weekends or holidays to avoid delays in delivery.
6. Mitochondrial test results usually take an average of 2-3 weeks to become available provided samples are not delayed at customs.
7. Nuclear test results usually take an average of 8 weeks to become available provided samples are not delayed at customs.
8. If, for whatever reason, the samples do not work, we will be in contact to request new material.

Delivery address: DIRECT COURIER TO THE LAB:

Attention: Texas Premium Game Breeders _ DNA LLC

1735 W. Cardinal Dr.

Beaumont, TX 77705

USA

Email: smostert@txpgb.com