



Canine DNA Sampling

Blood Samples

Blood tube submissions: A Minimum of 1 mL whole blood is required in an EDTA (purple top) tube. Label each tube with the Animal ID. Animal ID must match the submission form. If extreme temperatures are expected ($>30^{\circ}\text{C}$ or 85°F), please include a cold pack with the sample.

Blood card submissions: Blood cards are ideal for breeds of pups that undergo surgical procedures such as tail docking at a young age. Make sure that all instruments used in the surgical procedure as well as the sampling area are clean to avoid contamination. Fold back the top of the card and spot enough blood on the card to fill the black outlined circle. It's important to allow the blood to dry completely before closing the card. Label each card with the Animal ID. The Animal ID must match the submission form.

Semen Samples

There is an additional \$10.00 fee associated with submission of this sample type. There are two options for packaging samples to send to the lab:

1. Send an entire semen straw. Tip: Placing the straw inside an empty ball point pen barrel helps to protect the straw during shipment.
2. Send the required volume of sample (>0.1 mL) in a microcentrifuge tube. Tip: wrapping the top of the tube with Parafilm or plastic wrap will help secure the cap. Typically, semen can be stored and shipped at ambient temperature, but if long shipping times or extreme temperatures are expected ($>30^{\circ}\text{C}$ or 85°F), please send a cold pack with the sample

Note: The NEOGEN® lab will NOT accept semen straws that have been cut or used for breeding due to the high risk of sample contamination and poor quality results.

Tissue Samples

There is an additional \$10.00 fee associated with submission of this sample type. Ideal tissue samples include skin or liver tissue collected during a postmortem examination. A 1 cm x 1 cm piece of tissue (approximately the size of a pencil eraser) is all that is needed. Samples should be collected immediately post-mortem or from an animal that was refrigerated/frozen immediately after passing to avoid bacterial contamination. Tissue samples should be frozen and shipped overnight to arrive at the lab during regular business hours Monday–Friday.

Ordering information

Canine swab collection kit \$5.00

- Includes two bristle swabs for sampling a single animal

Bristle swabs (bulk order) \$1.00 each + shipping

- Bulk order is ideal for sampling an entire litter
- Two swabs necessary for each dog
- Minimum order of ten swabs

Blood card \$0.50 each + shipping

- Minimum order of ten cards

Semen Samples \$10.00 surcharge

Tissue Samples \$10.00 surcharge