

Broad Institute

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Dog Disease Study: Instructions for Veterinarians

Sample collection:

I. Blood Samples:

Please fill an EDTA tube (purple-cap) with approximately 5 mL of blood. Don't worry if you can't fill the tubes completely. The tube has a vacuum so it will automatically draw the blood from your syringe. Please don't remove the rubber stopper from the top of the tube as this increases the risk of hemolysis. Keep the blood at room temperature. Invert the tube several times to prevent clotting.

Blood that is dark red to black indicates hemolysis has started and will result in a poor quality DNA sample. The blood should appear bright red and unclotted in the tube. Please try to draw another sample if you observe dark red to black clotted blood in the tube.

Although 5 mL of blood is our standard sample size, a smaller volume (2 mL or greater) is adequate and should be considered with very small dogs or if there are other extenuating circumstances.

II. Cheek swabs:

Although we strongly prefer a blood sample, as both the quantity and quality of the DNA is much better, we can also process cheek swabs and appreciate any help with our research. Take two cheek swabs per dog, one on each side of the mouth. Let the swabs air dry for at least ten minutes.

Additional Information:

I. Please label the tubes with the following information:

- Dog's name
- Breed
- AKC number
- Sex

2. Please attach the following information on a separate sheet:

- Owner's name and contact information
- Any diseases affecting this dog
- Pedigree information

3. Please include a consent form signed by owner (attached).

Shipping Samples:

Unfortunately, we are unable to reimburse for the cost of shipping or veterinary expenses, and we greatly appreciate your assistance with our research.

Send the blood at room temperature as soon as possible. The blood will remain preserved for approximately 1 week. You can send by US Postal Service Priority Mail, FedEx or UPS.

Send cheek swabs at room temperature by FEDEX Same Day or FEDEX Overnight only! Bacteria in cheek swabs render the DNA useless if sent by slower methods.

Place the tubes in a cardboard mailing box. When shipping blood samples, please be careful to package it to prevent breakage and leaking. Please include pedigrees and diagnoses (labeled with the dog's full name and the owners name and contact information).

Please send samples to:

Dog Genome Project
Broad Institute
7 Cambridge Center
Cambridge, MA 02142

Fax: (617) 324-4987
Email: dog-info@broad.mit.edu
Website: <http://www.dogdna.org>
Please let us know to expect sample.

Broad Institute Blood Sample Release Form

Research Statement:

We would like to obtain a blood sample from your dog. The sample will help us to explore canine genetic issues including patterns of genetic diversity between and within breeds, and in disease states.

What are the risks Involved with a blood sample?

A blood draw may cause a slight momentary discomfort to your dog as the needle is inserted. There is a small possibility that some bruising might be seen around the draw site. This should cause your dog only marginal, short-term discomfort and not have any major consequences. If your dog becomes aggressive and/or bites during the blood sampling process, the Canine Genome Project and the Broad Institute are not liable in any way for any resultant physical harm or property damage. Compensation is not available in the unlikely event of physical harm to your dog resulting from the blood draw procedure.

Who will have Access to the Information and Specimen?

No information about you, or the identity and health information of your dog will be made available to the public. Only the Broad Institute and collaborators on the respective studies will have access to the samples. Any studies utilizing your dog's oral/blood tissue sample will occur with the understanding that none of your dog's unique identifiers (name, AKC number, etc.) will be distributed or published.

Dog Owner's Statement:

I have read the information provided above and have had an opportunity to ask questions regarding the procedures involved. I am the owner or the agent for the owner of the dog described below and I have the authority to execute this release. My signature below indicates I voluntarily agree to give my dog's oral tissue or blood specimen for this study.

Is it okay to share samples with our research collaborators? Yes _ No

Owner's Signature: _____ Date: _____

Owner's Name (printed): _____

Email Address: _____

Would you like to be notified of updates via email? yes | no

Phone Number: _____

Street Address: _____

City, State, Zip: _____

Dog's Registered Name: _____

Registration Organization and number: _____

• Dog's Call Name: _____ • Dog Breed: _____

• Year of Birth or Age: _____ • Variety/Coat Color: _____ • Pedigree attached? yes | no

• Dog Gender (*circle one*): Male | Male(Neu) | Female | Female(Sp) • Year of Sp/Neu _____

Any known diseases in this dog?

Any known diseases in related dogs?

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