

Broad Institute

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Dog Disease Study: Instructions for Veterinarians

If you need a blood collection kit from us please contact: dog-info@broad.mit.edu

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.

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:

Please label the tubes with the following information:

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

Please attach the following information on a separate sheet:

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

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

Shipping:

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

Place the tubes in a cardboard mailing box.

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, FedEx or UPS.

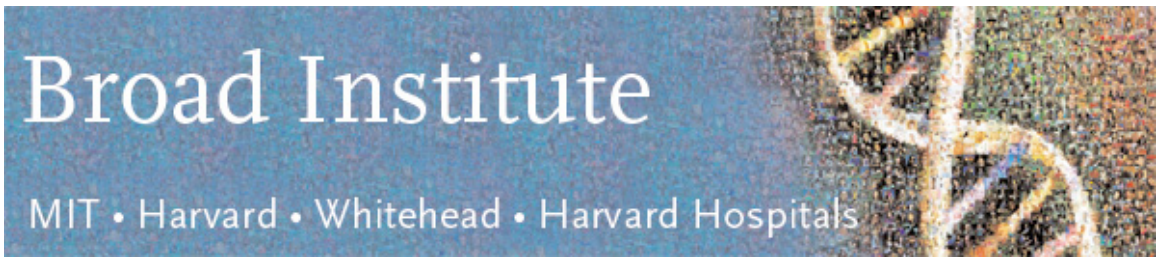
Send cheek swabs at room temperature by FEDEX Same Day or FEDEX Overnight only! Bacteria in cheek swabs render the DNA useless if sent by slower methods.

Please send blood/cheek swabs, pedigrees and diagnoses (labeled with the dog's full name and the owners name and contact information) to the following address:

Dog Genome Project
Broad Institute
One Kendall Square Bldg 300
Cambridge, MA 02139
Phone: 617-252-1900
Fax: 617-252-1902
Email: dog-info@broad.mit.edu

The Eli & Edythe L. Broad Institute

A collaboration of Massachusetts Institute of Technology,
Harvard University & its hospitals, and the Whitehead Institute for Biomedical Research
320, Charles Street, Cambridge, MA 02148, USA, phone: 617 252 1477, fax 617 258 0903



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 sight. This should only cause your dog 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?

Only the "Osteosarcoma mapping project" research staff will see research information and specimens that can identify your dog. 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.

Owner's Signature: _____ Date: _____

Owner's Name (typed): _____

Email Address: _____

Phone Number: _____

Address: _____

Dog's Name: _____

Dog Breed: _____ AKC number: _____

Known diseases: _____

Variety/Coat Color: _____ Dog Gender: Male Female

Pedigree enclosed: yes no Birth Year: _____

Please send sample to:

Dog Genome Project
Broad Institute
One Kendall Square, Bldg 300
Cambridge, MA 02139
Fax: 617-252-1902 (let us know to expect the sample)
Email: dog-info@broad.mit.edu

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