



CHIC DNA Repository
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 www.caninehealthinfo.org

**Office
Use
Only**

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Application for DNA Repository

* Please type or print legibly. To ensure accuracy please enclose copy of the dog's registration papers *

previous application number (if any) _____

registration number AKC CKC Other _____

registered name _____

sex _____ Color _____

breed _____

date of birth (month-day-year) _____

ID number Tattoo Microchip

registration number of sire _____ registration number of dam _____

owner name _____

co-owner name _____

Street Address _____

owner email _____

city _____ state/province _____ zip/postal _____

owner phone _____

Upon receipt and processing of this application, the owner will receive a Sample Submission Kit depending on the option selected below.

DO NOT SUBMIT SAMPLE WITH THIS INITIAL APPLICATION.

See back of this sheet for information on the Mission and Objectives of this project, as well as information on blood versus swab-based collections.

Sample Submission Kit Order

- Swab Based Collection Kit** \$5.00
(includes 5 cheek swabs, 4 to be submitted, 1 may be retained by the owner for self storage, collection instructions, health survey, mailing labels)
- Blood Collection Kit** \$20.00
(includes 1 cheek swab for owner self storage, collection instructions, health survey, mailing labels)

DNA Sample Submission Agreement

I hereby donate, assign, and transfer a DNA sample of the dog named above to the CHIC DNA Repository for research purposes and warrant my authority to do so. I understand that any future use or distribution of this DNA sample will be within the sole direction and authority of the CHIC DNA Repository. I authorize the OFA and the AKC CHF to provide any researchers receiving a portion of this sample with all necessary information including pedigree and health history to make the sample useful. My intent in providing this DNA sample is to further research into canine health issues. I hereby relinquish all rights to, and ownership of, the DNA sample.

Signature of owner/agent

Date

Mission Statement

The CHIC DNA Repository, co-sponsored by the OFA and the AKC/CHF, collects and stores canine DNA samples along with corresponding genealogic and phenotypic information to facilitate future research and testing aimed at reducing the incidence of inherited disease in dogs.

Objectives

- Facilitate more rapid research progress by expediting the sample collection process
- Provide researchers with optimized family groups needed for research
- Allow breeders to take advantage of future DNA based disease tests as they become available
- Foster a team environment between breeders/owners and the research community improving the likelihood of genetic discovery

Submission by Blood Sample

Blood is the gold standard for genetic material; the yield of DNA is sufficient for all research methods, including technologies on the horizon. Moreover, the stability and purity of the DNA is of the highest caliber, which offers many benefits. The drawback of banking blood samples is cost — drawing, shipping, storing, and extracting DNA from blood are more expensive endeavors than the alternative.

Submission by Cheek Swab

Cheek swab-derived DNA is a viable option for DNA banking. Although the yield and purity of this DNA is inferior to that obtained from blood, the material is suitable for most genetic approaches. The swabs are inexpensive, and the samples can be taken by the owner of the dog without the necessity of a veterinary office call. Swabs are easily shipped in standard envelopes using the postal mail, and they can be stored for at least a decade at room temperature, so long as they are stored under conditions of low humidity. The success rate for obtaining DNA from a swab in the laboratory is roughly 98%, so multiple swabs should be submitted for each dog to ensure representation in the archive.

Laboratories

The CHIC DNA Repository has partnered with the Veterinary Genetics Lab at the University of California–Davis and the Animal Molecular Genetics Lab at the University of Missouri. UC Davis will receive and store all swab samples, and Missouri will receive and store all blood samples.