



Blood Drive for the OFA / CHF DNA Bank



The **Rottweiler Health Foundation** will be offering a **complimentary** DNA collection at the ARC 2018 National Specialty to be held at the Arapahoe County Fairgrounds, Aurora, CO, April 27 - May 5, 2019. Samples are to be submitted to **The DNA Repository**.

Standard fee for each sample submitted - \$20.00. ***Zero cost to you!***

The DNA Repository, co-sponsored by the **Orthopedic Foundation for Animals (OFA)** and the **AKC Canine Health Foundation (AKC CHF)**, collects and stores canine DNA samples along with corresponding pedigree and health history information to facilitate future research and testing aimed at reducing the incidence of inherited disease in dogs.

The program objectives are:

- 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

**You will find the collection location in the Main Hall.
Tuesday, Wednesday & Thursday, April 30, May 1 & 2
Hours: 1:00 PM - 4:00 PM**

*Thank you for caring!
Thank you for sharing!*

Download & fill out the necessary form & health questionnaire ahead of time. Required information for form can be found on dog's AKC registration papers.

- **[DNA Repository Application Form and Health Survey](#)**

More information regarding the DNA Repository -

- **[See detailed instructions for blood samples.](#)**

Questions? Contact Michelle Amtower, DVM turstadt@charter.net

Email to let us know you're planning on participating.

We want to have enough collection kits available for everyone.



More information for those of you planning to participate or needing more details.

In a clinic setting the major variable is that dogs do not have a chance to have their initial record created and the corresponding bar codes printed.

The CHIC DNA Repository can be flexible to accommodate parent club efforts in gathering samples. Collection clinics can be set up to support either swab or blood collections, however, it is becoming increasingly clear that the majority of researchers performing whole genome scans are not interested in swab derived DNA. Pre-registration, walk-ups, or a combination can all work. The resulting procedural difference is that since bar code labels will not have been created for the samples, it is necessary to return paperwork and samples concurrently to the OFA where the records will be created, samples logged and barcoded, and then forwarded on to the appropriate lab.

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. Cheek swab derived DNA remains an option for DNA banking, however clubs should understand the limitations. The yield and purity of this DNA is inferior to that obtained from blood, and the material will not work with some of the most current technologies.

For blood based clinics, the OFA will supply a .pdf master of the paperwork (combined application form/survey). The club maintains the responsibility of locating volunteers or hiring individuals who are experienced and able to draw blood. Typically 5 to 10 cc's of whole blood are collected. The club is responsible for providing all supplies including EDTA tubes, cotton, alcohol, tourniquets, syringes, needles, and mailing containers. The OFA can assist in these efforts as well as in establishing clinic specific procedures. When shipping blood, it should be shipped chilled using expedited delivery. Prior to shipping, please advise the OFA office when to expect delivery.

When pre-registrations are required, you must allow sufficient lead time for all the data to be entered, the health surveys printed, the bar codes printed, and time for return mailing prior to the clinic. Surveys and barcodes can be sent directly to the owners who then bring them to the clinic, or they can be sent to the clinic coordinator to be made available at the clinic.

For walk-up clinics, owners must complete the DNA Repository Application form, and a generic health survey. Since the initial creation of the bar codes has been removed from this process, it is important for the clinic coordinator to ensure that sufficient identification exists on the paperwork and the sample itself so that the two remain in sync. Stapling each dog's application and survey, and clearly marking each sample with owner last name and dog name has worked well in the past to ensure that samples and paperwork are not separated. In the case of swabs, paperwork and sample can all be placed in individual bags to keep them together.