



# DNA Repository Submission Instructions via Blood Sample

## Your sample kit contains the following items:

### Blood Kit:

Bar code labels for 2 EDTA tubes  
1 Buccal Swab  
Submission Instructions

CHIC DNA Repository Sticker  
Return Mailing Label to OFA (survey)  
Return Mailing Label to MU (blood)  
Health Survey

## Directions for submitting DNA sample via Blood Sample:

1. Contact your veterinarian to make arrangements to have blood drawn. This can be done at an appointment made specifically for this purpose, or you can arrange to have the blood drawn during some other regularly scheduled visit. Be sure to tell your veterinarian the blood sample is to be used for research purposes. Many veterinarians will then do the procedure at a reduced rate or at no cost.
2. Take your dog and ask that a sample of 5 to 10 cc's of whole blood be drawn into EDTA tubes. Place the bar code label supplied with the kit onto the EDTA tube to identify the sample. If collecting multiple samples, please take care to ensure matching the correct samples with the correct bar code labels.
3. The blood sample only needs to be put in the tubes and rocked gently a few times to distribute the anticoagulant. The sample should NOT be spun, have serum extracted, or have anything further done to it.
4. Ship the sample via an overnight delivery service to the University of Missouri (address below). Apply the CHIC DNA Repository sticker to the mailing box to alert the lab staff of the contents. DO NOT ship samples on Fridays, as there will be no one available at the lab to receive the sample on Saturday.
5. The sample should be shipped using cool packs, and ideally should be shipped immediately. If samples are held for a day or over a weekend before shipping, they must be refrigerated.
6. Your sample submission kit also contains a buccal swab which you may use to collect a DNA and store on your own. Follow the directions on the bar coded brush envelope to collect the sample. Cheek swabs are a non-invasive method of collecting DNA. If you feel uncomfortable performing this procedure yourself, you may ask your veterinarian to collect the sample during the blood collection office call. The sample should be stored in a safe location at room temperature with a minimum of humidity.
7. Complete the health survey for each dog, and send it along with a 3 to 5 generation pedigree to the OFA using the OFA mailing label provided. The health survey and pedigree information are critical parts of the repository. The samples are of little value without the corresponding phenotypic history and genealogy. You will receive periodic follow up surveys to record any significant change in the health status of the dog.
8. Thank you for participating in the CHIC DNA Repository.

### University of Missouri Mailing Address

University of Missouri  
Attn: Dr. Gary Johnson  
320 Connaway Hall  
Columbia, MO 65211

### OFA Mailing Address

OFA  
2300 E Nifong Blvd.  
Columbia, MO 65201