

## Labrador Tricuspid Valve DNA Study

We are looking for DNA samples from Labrador Retrievers for a genetic study that evaluates unique DNA changes that may be associated with the congenital heart disease, tricuspid valve dysplasia.

At this time, we would like to collect DNA samples from 100 Labrador Retrievers. We need DNA from both healthy Labrador Retrievers without heart disease and from Labradors with tricuspid valve dysplasia.

Ideally, the DNA would be from a wide number of families so we are hoping to get samples from as many different families as possible.

Thank you for your help!

Dr. Kate Meurs, North Carolina State University

### **Sample collection (cheek swab or blood acceptable)**

1. Cheek swab: We would be happy to ship you a swab collection kit for you to swab your dog for DNA collection. Email Dr. Meurs to request a kit:  
[kate.meurs@ncsu.edu](mailto:kate.meurs@ncsu.edu)

OR

2. Please ask your veterinarian or a veterinary technician to pull a blood sample into an **EDTA** tube. Most veterinary hospitals have these readily available.
  1. 2-3 milliliters of blood should be collected into a standard EDTA tube (does not need to be refrigerated).
  2. Please label tube well, with animal's call name and family last name and send the samples to our lab via the address above.
3. **Please return the form on page 2 with your sample and mail to:**

NCSU - College of Veterinary Medicine  
ATTN: Veterinary Cardiac Genetics Laboratory  
Research Bldg. 326  
1060 William Moore Dr.  
Raleigh, NC 27607

**Blood drawn does not need to be mailed back with ice packs or be shipped overnight. However, if possible please try to send the sample within a few days by standard mail.**

**Questions? Contact Info: Email: [Kate.meurs@ncsu.edu](mailto:Kate.meurs@ncsu.edu) or Phone: 919-513-6213**

*Thank you very much for your submitting a sample, we greatly appreciate it!*

## **Labrador Retriever Heart Disease Study**

**Dog Name:**

**Gender:**

**Birthdate:**

**Owner Name:**

**Complete Address:**

**Phone Number:**

**E-mail:**

**Date (if ever) of Last Echocardiogram:**

**Has this dog been diagnosed with tricuspid dysplasia ?**

**Has this dog ever been diagnosed with a cardiac arrhythmia?**

**Do you know of any family history of tricuspid dysplasia for this dog?**

**If possible could you please include a Xerox copy of a pedigree and any echocardiogram information ?**

**ALL INFORMATION WILL BE MAINTAINED IN A CONFIDENTIAL DATABASE. INDIVIDUAL NAMES AND RESULTS WILL NOT BE SHARED**