

CANINE DNA TESTING

Instructions for Sampling & Testing at the University of Missouri

Blood Sample – Whole blood, not clotted – minimum sample is 1 ml, ideal sample is 3 - 7mls in EDTA (purple-top) tube or tubes. DO NOT spin or extract serum – send whole, unclotted blood. *Samples less than 1 ml and clotted samples will not be processed!* Refrigerate if the sample is being held for any time before shipping. Please do not hold samples more than 1 week before shipping, because the sample may not yield usable DNA if it is delayed longer.

Label sample with the following;

call name - owner's last name

(If samples from several dogs are sent together, number samples and forms)

Complete the **Canine DNA Test Request form** on the next page, and include either a pedigree copy or registration certificate copy for the dog.

Include payment of \$65 for 1 test, \$50 per test if both tests ordered for 1 dog at the same time. Payment must be check or money order, payable to "University of Missouri", or credit card (Visa, MasterCard, or Discover). Please be certain cardholder name and all digits are legible. Payment must accompany sample!!

Place the paperwork and payment in a ziplock bag, separate from the blood sample.

BE CERTAIN TO INCLUDE A LEGIBLE EMAIL ADDRESS ON THE FORM!

Shipping - Ideally the sample should be shipped immediately. If samples are held for a day or over a weekend, blood must be refrigerated. Ship via overnight or 2nd day delivery (US Mail, UPS, or FedEx) for arrival only Monday thru Friday. **Do not send on a Friday** - there will not be anyone to accept the delivery on a weekend, and the sample could be unusable by Monday. Pack in a small crush-proof (preferably insulated) container with one or more cool packs - it is important that blood samples be kept cool but not frozen. Be sure to protect the blood tubes from being crushed by the frozen cool pack – pad the tube(s) and fill empty space in the box with crushed newspaper, bubble wrap, or packing peanuts.

The delivery address is:

Dr. Gary Johnson – Coton Testing
320 Connaway Hall
University of Missouri
Columbia, MO 65211

(this IS a valid address, though some UPS shippers do not recognize it – if the UPS shipper cannot override the "error" message, use 201 Connaway Hall – we will get it!)

If you need clarification, or have any questions about any of these procedures, please contact Liz Hansen by email (HansenL@missouri.edu), phone (573-884-3712), or regular mail (321 Connaway Hall, University of Missouri, Columbia, MO 65211).

Thank you !

CANINE DNA TEST REQUEST

Individual Dog Information

Sample: Whole blood in EDTA tube: minimum 1 ml – ideal is 3 to 7mls

Breed Coton de Tulear

Variety _____

Registered Name _____

Call name _____

Reg# _____ Birth Date _____

Male / Female - - Intact / Neutered

Sample Submission Date: _____

Color _____

Test Being Requested: NCA – Neonatal Cerebellar Ataxia

DM – Degenerative Myelopathy

Owner: name _____ Veterinarian _____

address _____

city-st-zip _____

phone _____

e-mail _____

******Results are reported via email – please provide complete, legible email address!******

Report test results to (please circle): Owner Veterinarian Both

PAYMENT INFORMATION: Check or money order payable to “University of Missouri” enclosed

OR Charge to VISA-MasterCard-Discover Card# _____

Cardholder name: _____ Exp Date: _____

Has this dog been diagnosed as likely to be affected with the disease being tested for? Yes No

Does this dog exhibit any symptoms of the disease being tested for? Yes No

If Yes, please list observed symptoms _____

Have any relatives of this dog been diagnosed as AFFECTED with this disease? Yes No Don't Know

If Yes, what relative(s)? Sire Dam Sibling Grandparent other _____

Have any relatives of this dog been DNA-tested as a CARRIER for the disease? Yes No Don't Know

If Yes, what relative(s)? Sire Dam Sibling Grandparent other _____

Has this dog been diagnosed with, or does it show symptoms of any other disease, abnormality, or temperament issue? (Please list)

Other Comments / Questions / Concerns?

I am the owner or authorized agent of this dog and I submit this sample and pedigree for the purpose of DNA testing; I understand that DNA left over following the test may be stored for potential future research; I understand that the results of this test will be reported only to the owner listed on this form and to the veterinarian (if requested) listed here; and I have supplied complete and accurate information, to the best of my knowledge.

Signed: _____

date _____