



Jack Russell Terrier Research foundation DNA BANK COMMITTEE

Dear Veterinarian:

Thank you for agreeing to draw blood samples for the Jack Russell Terrier DNA Bank. This project is a completely volunteer effort by Jack Russell Terrier breeders and owners to build a multi-generational archive of DNA and health information with the hope of ultimately being able to develop genetic tests for conditions that affect this breed like cataracts, lens luxation, PRA and deafness.

This study has been made possible by sponsorship from the Jack Russell Terrier Research Foundation, whose support made possible the development of the collection kits sent to your Jack Russell Terrier owners. The University of Missouri School of Veterinary Medicine is providing the resources to extract and separate DNA from the blood samples and store the samples and the data.

Your assistance with the collection process, along with the time that other veterinarians in the U.S. and Canada have already graciously contributed, will help us build the sampling that we need. Any additional Jack Russell Terrier patient samples you can supply us – whether they are afflicted with any problem, potential carriers, or normal – will help improve the outcome of this project.

Thank you very much for your interest and time.

Sincerely,

Sandi Pensinger
Chairman, DNA Bank Committee
Jack Russell Terrier Research Foundation
500 Oak Drive
Capitola, CA 95010
Phone 831 476-9065
Fax 888-522-6809
Email sandi@river-joy.com
Website www.jrt-research.com



SAMPLE HANDLING & SHIPPING

JACK RUSSELL TERRIER RESEARCH FOUNDATION

DNA BANK

A JRTRF Individual Genetic Data Form should be completed accurately and completely. A copy of the pedigree must be attached to tie the terrier with the correct family. Genetic research is the most efficient and successful with full family information.

TYPES OF SAMPLES

Blood - The ideal sample is 5-10cc's of whole blood, in purple-topped (EDTA) tubes. The blood sample needs to be put in the tubes and rocked gently 8-10 times to distribute the anticoagulant - do not spin, extract serum, or do anything further. Refrigerate the sample before shipping.

Tissue from tail docking, spay/neuter, surgery or euthanasia will provide a large amount of DNA for research. Tissue removed as a result of tail or dewclaw docking, spay, neuter, surgery, or an organ sample upon death of the dog can be used for DNA research. Discuss this with your vet in advance. If the dog is to be euthanized, have a blood sample pulled first, if possible, and send both samples. The first choice is spleen, second choice kidney, and third choice is liver (One sample of the organ about the size of your thumb is sufficient). Have the organ removed as soon as possible following death, place into a labeled freezer bag, put that into a second bag, freeze, and ship overnight.

Frozen Semen - If semen from sires or affected dogs is available, DNA can be extracted from it. Please send 2 straws. Pack them in a crush-proof container; they do not need to be frozen.

Labeling Samples

Label Samples with **Registered name - Owner's last name – Date sample was pulled**

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

SHIPPING

Send the sample to the JRTRF DNA Bank at University of Missouri and the forms to the JRTRF Research Chair. The sample should be placed in a Zip Lock type bag with a paper towel and a cool pack for shipping. Ideally the sample should be shipped immediately. Blood must be kept cool or refrigerated and tissue samples must be kept frozen until shipped. Ship blood or tissue with one or two cool packs via overnight (US Express Mail, UPS, or FedEx). Pack in a small insulated Styrofoam-type container (most vets have these on hand and they are included in the kits). It is important that blood samples be kept cool but not frozen, and tissue samples be kept as frozen as possible. **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. **Do not send the sample via drop box**, it may be exposed to very hot or very cold temperatures before being picked up. Shipping may need to be specified as "Non-infectious samples for DNA Storage."

If you have questions, contact:

Sandi Pensinger, JRTRF DNA Bank Chair at (831) 476-9065 Email sandi@river-joy.com

Liz Hansen, DNA Bank Lab Coordinator, (573) 884-3712, Email HansenL@missouri.edu

Thank you for your cooperation and participation!

**SEND ORIGINAL of form, copy of pedigree
& copies of medical records to:**

JRTRF Research, c/o Stephanie Taylor DVM
Research Chair
7460 Brandywine Rd.
Hudson, Ohio 44236

**SEND COPY of form
and DNA Samples to:**

JRTRF, c/o Dr. Gary Johnson
320 Connaway Hall
University of Missouri
Columbia, MO 65211