

Lab. entry Pinscher/Schnauzer:

Lab. number: PSK-\_\_\_\_\_

## Sample handling for canine DNA research and testing for Pinscher and Schnauzer

We welcome your participation in the canine research projects and/or DNA testing in Pinscher and Schnauzer dogs. These projects are jointly performed by Pinscher and Schnauzer breeders, the Pinscher-Schnauzer Klub 1895 e.V. (PSK) in Germany and the Institute for Animal Breeding and Genetics of the University of Veterinary Medicine Hannover (TiHo) in Germany. We establish a DNA-bank for the Pinscher and Schnauzer aiming at to investigate inherited diseases and conditions using molecular genetic techniques. Constriction of the esophagus caused by a **persistent right aortic arch (PRAA)** and **hereditary cataracts (HC)** are of special interest for an actually ongoing project. The samples collected will be exclusively at the disposal for research projects at the Institute for Animal Breeding and Genetics of TiHo. DNA extracted from these samples will be delivered to third parties only in the case when the owner of the dog will authorize us. Following points need your attention when a blood sample is collected and shipped:

1. The blood sample should be taken as sterile as possible. Ideally, 5 cc's of whole blood should be placed in the tube by the veterinarian. For very young dogs and puppies, 3 cc's are sufficient.
2. The tube should be coated with an anticoagulant. We recommend **EDTA-K monovettes**.
3. The sample has to be labeled with the ID of the dog (registered number of the dog, name of the dog and kennel, country code). Puppies have to be registered (chip, tattoo number, ID of the kennel club) before a sample is taken.
4. Please complete the individual dog information form and include a pedigree copy to tie in the correct ancestors.
5. The sample should be shipped immediately. If samples are held for a day or over the weekend, blood must be cooled at 4 °C. If samples are held for a longer time, blood must be refrigerated at -20 °C.

**CUSTOMS STATEMENT that must appear on package: Canine whole blood for DNA extraction - not exposed to any infectious agents.**

**Please provide following information for us:**

Name and address of the dog's owner: \_\_\_\_\_

Country: \_\_\_\_\_

Email / FAX: \_\_\_\_\_

Name and address of the veterinarian: \_\_\_\_\_

Sign of the vet to confirm the ID of the dog: \_\_\_\_\_

Sex of the dog:  male  female Breed of the dog: \_\_\_\_\_

Birth date: \_\_\_\_\_ Date of investigation for PRAA or HC: \_\_\_\_\_

Diagnosis:  PRAA  HC Examination by an ECVO-ophthalmologist:  yes  no

Other diseases: \_\_\_\_\_ (please add vet's diagnosis)

Is the dog examined:  sire  dam  full-sib  paternal half-sib  maternal half-sib  
 son  daughter **of an affected dog.**

Name of the dog and its kennel name: \_\_\_\_\_

Registered no. of the dog: \_\_\_\_\_ Chip-/Tattoo no. of the dog: \_\_\_\_\_

Reg. no. of the dog's sire: \_\_\_\_\_ Reg. no. of the dog's dam: \_\_\_\_\_

Date when sample was collected: \_\_\_\_\_

**We appreciate to receive a copy of the official pedigree certified by the kennel club.**

Our investigations include a scientific use of some of the results. All data used in scientific publications will be made anonymous and thus the ID of the dog or the owner of the dog can not be inferred. Herewith, I confirm with my signature that the EDTA blood sample of the dog can be used for scientific projects initiated by the breeders of the Pinscher and Schnauzer and the PSK and I agree on the anonymous use of the scientific data.

Date and signature: \_\_\_\_\_

**Delivery address for samples:**

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