

## Order for genetic testing Greyhound Neuropathy

Hereditary Greyhound Neuropathy is inherited as a monogenic autosomal recessive trait. First clinical symptoms occur in 8 to 12 week old puppies, they manifest in progressive muscle weakness, exercise intolerance and a strange, “bunny-hopping” gallop with turned-out knees. Certain spinal reflexes, i.e. patellar tendon reflex, are absent, whereas sensibility and position reflexes are usually unimpaired. Sometimes the larynx is also affected; these dogs are unable to bark. Until now, we only heard about cases in so called “Show Greyhounds”. It is unknown whether the defect is also occurring in “Racing Greyhounds”. Affected pups normally have to be put down at an age of 9 to 12 months because of the severity of the symptoms. We investigated the genetic mechanisms leading to Greyhound Neuropathy and identified the causative mutation. This allowed the development of a DNA test that allows the unequivocal diagnosis of carriers for this disease.

For genetic testing a 2-5 ml **EDTA blood sample** of the animal in question is required. The use of plastic tubes is recommended. Blood samples should be sent in a padded envelope without cooling to our laboratory. They have to arrive within 3 days of sample taking. Please send the samples together with this signed order form to:

**Institut für Genetik**  
**Stichwort „Greyhound“**  
**Bremgartenstrasse 109A**  
**CH-3001 Bern**

The direct genetic test costs 75.-- EUR. As we cannot run the complete procedure for single individual samples, it may take 1-3 months until a result is obtained.

### **Animal to be analyzed (EDTA blood sample):**

Name / Kennel: \_\_\_\_\_

Animal ID: \_\_\_\_\_

Date of birth: \_\_\_\_\_ Sex (m/f): \_\_\_\_\_

### **Owner of the animal**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone/e-mail: \_\_\_\_\_

### **Owner's declaration of consent**

I agree to genetic testing in the animals indicated above. I also agree that the test result and sample material may be used for further scientific research.

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Date

Signature

### **Confirmation of correct sampling and animal identity** **Veterinarian (stamp):**

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Date

Signature