

LEMP genetic test in Rottweilers and Great Danes

(April 2017)

In Rottweiler dogs a neurogenetic disorder was genetically characterized by the Universities of Bern and Minnesota, and genetic test developed. Our studies also indicate that the Rottweiler mutation is present in Great Danes. **A single blood sample per dog** is sufficient to perform the detection of the causative mutations for *leukoencephalomyelopathy* (**LEMP**), a recessively inherited disorder of the central nervous system.

The genotypes of analysed dogs are reported for each disorder individually as:

N/N (clear), **D/N** (heterozygous carrier), and **D/D** (affected).

Further information and breeding recommendations at www.genetics.unibe.ch

For genetic testing a **1-5 ml EDTA blood** sample of the animal in question is required. Blood samples should be labelled properly. Please use an individual order form for each single dog.

Please send the samples together with this signed order form in a padded envelope without cooling to:

In case of questions please contact

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phone: **0041 (0)31 631 25 29**

**Institute of Genetics
LEMP-Genest
Bremgartenstrasse 109a
CH-3001 Bern**

A single gene test costs **100 CHF/EUR**. Dog owners who submit a blood sample from a dog **affected** with neurological disease, together with neurological exam, may receive the LEMP test results for **free**.

Once the sample arrives our lab will perform the tests and send your results and an invoice with payment instructions (including details as IBAN, BIC) as PDF-file by e-mail. As we cannot run the complete procedure for single individual samples, it may take 2-8 weeks until a result is obtained.

Name-Kennel

Registry ID

Chip ID

Date of birth

male

female

Rottweiler

Great Dane

Owner name

Adress

ZIP/City/Country

E-Mail

Owner's declaration of consent

I agree to genetic testing of the animal indicated above. I also agree that the test results and sample material may be used for further scientific research. The leftover sample material will belong to the University of Bern.

Date

Owner's signature

Confirmation of correct sampling and animal identity

Date

Veterinarian (stamp & signature)