

Veterinärstation
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Report

No.: 1311-W-31683
Date of arrival: 21-11-2013
Date of report: 27-11-2013

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| Patient identification: Dog           Male           * 25.04.12 |
|                               Collie Rough         |
| Owner / Animal-ID:      Lahti, Jorma             |
| Type of sample:         EDTA-Blood                |
| Date sample was taken:  18-11-2013              |
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Parameter	Value	Reference value
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Name:	Honey Melon Pinas Adrien	
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ZB-

Nummer:	FI 33204/12	
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Chip-

Nummer:	985170002318468	
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Täto-Nummer:	---	
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*MDR1 genetic test - PCR

Result: genotype N/MDR1 (+/-)

Interpretation: The analysed dog is a carrier of the mutation in the MDR1-gene taht has been shown to cause hypersensitivity towards certain drugs such as ivermectin. The dog will unlikely develop ivermectin sensitivity caused by this mutation, but will pass the defect gene onto its offspring with a probability of 50%.

The DNA-test is run according to the publication of Mealey et al. (2001) "Ivermectin sensitivity in collies is associated with a deletion mutation of the mdrl gene." and detects the mutation MDR1 nt230 (del4).

MDR1 genetic test carried out according to DIN EN ISO/IEC 17025 in our partnerlaboratory. Liability for specification of samples (e.g. name, identity of animal) lies by the sender.

Degenerative Myelopathy - PCR

Result: Genotype N/N

Interpretation: The dog is homozygous normal concerning the intact

SOD1-gene. The dog does not carry the mutation in SOD1 that is suggested to be a major risk factor for the development of Degenerative Myelopathy. The dog can pass only the normal gene on to all its offspring.

The current result is only valid for the sample submitted to our laboratory. The sender is responsible for the correct information regarding the sample material. The laboratory can not be made liable. Furthermore, any obligation for compensation is limited to the value of the tests performed.

There is a possibility that other mutations may have caused the disease/phenotype. The analysis was performed according to the latest knowledge and technology.

The laboratory is accredited for the performed tests according to DIN EN ISO 17025 (D-PL-13186-01). (except partner lab tests).

Quantity discounts were granted.

courier costs

Referring vet: Per B. Axelson

*** END of report ***

Hr.Dr. Beitzinger
Dipl.-Biol. Molekularbiologie

: test performed by partnerlaboratory