LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

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Report
No.: 1311-W-31685
Date of arrival: 21-11-2013
Date of report: 27-11-2013

Patient identification:	Dog Collie Rough	Female	* 27.05.12
Owner / Animal-ID:	Lahti, Jorma		
Type of sample:	EDTA-Blood		
Date sample was taken:	18-11-2013		

Parameter	Value	Reference value
Name:	**Millake's Outgoing Deidre**	
ZB-Nummer:	**FI 36675/12**	
Chip-Nummer:	**981098104005215**	
Täto-Nummer:	---	

*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 mdr1 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/DM
Interpretation: The analysed dog is a carrier of the mutation in the SOD1-gene that has been suggested to be a major risk factor for

the development of Degenerative Myelopathy. The mutation will be passed on to the offspring with a probability of 50%.

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.

Kurierkosten-
Anteil

*** END of report ***

Hr.Dr. Beitzinger
Dipl.-Biol. Molekularbiologie

: test performed by partnerlaboratory