LABOKLIN
LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

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Report
No.: 1311-W-31684
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 Charming Afeeca**	
ZB-Nummer:	**FI 36674/12**	
Chip-Nummer:	**981098104004565**	
Täto-Nummer:	---	

*MDR1 genetic test - PCR

Result: genotype N/N (+/+)

Interpretation: The analysed dog is a noncarrier of the mutation in the MDR1-gene that has been shown to cause hypersensitivity towards certain drugs such as ivermectin. The dog is free of the ivermectin hypersensitivity caused by this mutation. This mutation in the MDR1-gene was found in the following breeds: Collie, Shetland Shepdog, Australian Shepherd, Bobtail, Border Collie, Longhaired Whippet, Silken Windhound, American White Shepherd, German Shepherd, McNab, Wäller. This result is only valid for the above mentioned breeds.

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/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.

Kurierkosten-
Anteil

*** END of report ***

Hr.Dr. Beitzinger
Dipl.-Biol. Molekularbiologie

: test performed by partnerlaboratory