

LABOKLIN GmbH&CoKG . Postfach 1810 .DE-97688 Bad Kissingen

Finnish Kennel Club
Suomen Kennelliitto
Kamreerintie 8
02770 Espoo
Finland

Report

No.: 1511-W-36586
Date of arrival: 27-11-2015
Date of report: 02-12-2015

| | | | |
|-------------------------|---------------|--------|------------|
| Patient identification: | Dog | Female | * 07.09.14 |
| | Rought Collie | | |
| Owner / Animal-ID: | Lahti, Jorma | | |
| Type of sample: | EDTA-Blood | | |
| Date sample was taken: | 25-11-2015 | | |

Name: **Millake's Duane Niamh**
Stud book no.: **FI49167/14**
Chip no.: **981098104760179**
Tattoo no.: **---**

***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.