

Sample ID: 2407-W-600605
Report Date: 02/08/2024

Your Ref: -
Our Ref: 22761

Veterinary Surgeon

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Owner

Mrs Chery Spurr
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United Kingdom
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Animal Details

Animal:	Dog (Canine)	D.O.B	29/07/2023
Name	Reinglen Conqueror (Reeko)	Microchip No.	900133000747436
Breed	German Shepherd	Registration	BA21512206
Sex	Male	Tattoo No.	

Sample

Sample Material	Swab	Sample received:	16/07/2024
Sample Date:	14/07/2024		

Test

Test Name:	8032 MDR1 Gene Variant / Ivermectin Sensitivity
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Result

Genotype:	N/N (+/+) (Genetically Clear)
Interpretation:	<p>The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for MDR in the ABCB1-gene.</p> <p>Trait of inheritance: autosomal-recessive</p> <p>Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Waller, White Shepherd</p> <p>Please note: in individual cases, heterozygous dogs can show clinical signs!</p> <p>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).</p> <p>The current result is only valid for the sample submitted to our laboratory.</p>

***** END OF RESULT *****

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