

Sample ID: 2309-W-55253
 Report Date: 08/09/2023
 Our Ref: 7932

Veterinary Surgeon

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Owner

Mrs Cheryl Spurr United Kingdom reinglengsds@reinglen.co.uk

Animal Details

Animal: Dog (Canine)	D.O.B	14/12/2022
Name Grimm's Fairytale at Reinglen (Grimm)	Microchip No.	953010006329240
Breed German Shepherd	Registration	BA18440207
Sex Male	Tattoo No.	

Sample

Sample Material Swab	Sample received: 30/08/2023
Sample Date: 29/08/2023	

Test

Test Name: 8032 MDR1 Gene Variant / Ivermectin Sensitivity

Result

Genotype: N/N (+/+) (Genetically Clear)
Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for MDR in the ABCB1-gene. Trait of inheritance: autosomal-recessive 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, Wäller, White Shepherd Please note: in individual cases, heterozygous dogs can show clinical signs! 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). The result is only valid for the submitted sample.

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