

Test Result

Sample ID: 1811-W-83616
Original Sample ID: 1701-W-01052
Result Date: 06/12/2018

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Veterinary Surgeon

Owner

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Animal Details

Animal:	CANINE	Microchip No.	900200000343443
Name:	BAILOTTS OSWALD	Tattoo No.	
Breed:	GERMAN SHEPHERD DOG	KC Reg.	AS02432701
Sex:	MALE		
D.O.B:	03/07/2015		

Sample

Sample Material: SWAB
Sample Date: 05/01/2017

Test

Test Name: 8032 MDR1 Gene Defect / Ivermectin Sensitivity

Result

Genotype: N/N (+/+) (Clear)
Interpretation: The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for MDR in the ABCB1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found association 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 and White Shepherd

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 (del14).

The result is only valid for the submitted sample.