

Sample ID: 2010-W-57684
Result Date: 26/10/2020

Veterinary Surgeon

DIERENARTS
PALINGSGATSTRAAT 58
9111 BELSELE
BELGIUM

Owner

MR BEN DE KERF
NIEDWE BAAN 78
9111 BELSELE
BELGIUM

De.kerf.ben@telenet.be

Animal Details

Animal:	CANINE	D.O.B	10/06/2018
Name	KEMI BILLY (BILLY)	Microchip No.	933032607088159
Breed	BORDER COLLIE	ISDS Reg	00/368670
Sex	MALE	Tattoo No.	

Sample

Sample Material	SWAB	Sample received:	21/10/2020
Sample Date:			

Test

Test Name:	8032 MDR1 Gene Variant / Ivermectin Sensitivity
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Result

Genotype: N/N (+/+) (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.

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Breed	BORDER COLLIE	ISDS Reg	00/368670
Sex	MALE	Tattoo No.	

Sample

Sample Material	SWAB	Sample received:	21/10/2020
Sample Date:			

Test

Test Name: 8304 COLLIE EYE ANOMALY *

Result

Genotype: N/ N (Clear)
Interpretation: The examined animal is homozygous for the wild type allele. It does not carry the CEA causative mutation in the NHEJ1-gene.

Trait of inheritance: autosomal-recessive

This dog will only pass the healthy genes on to its offspring.

The result is only valid for the Collie, Border Collie, Australian Shepherd, Lancashire Heeler, Shetland Sheepdog, Longhaired Whippet, Nova Scotia Duck Tolling Retriever, Hokkaido, Bearded Collie, Silken Windhound and Boykin Spaniel breeds.

* test performed by partner lab

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Animal Details

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Breed BORDER COLLIE
Sex MALE

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Microchip No. 933032607088159
ISDS Reg 00/368670
Tattoo No.

Sample

Sample Material SWAB
Sample Date:

Sample received: 21/10/2020

Test

Test Name: 8635Glaucoma and Goniodysgenesis (GGD)

Result

Genotype: N / N (Clear)

Interpretation: The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for glaucoma in the OLFML3-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Border Collie

The current result is only valid for the sample submitted to our laboratory.

Surgeon

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 SELE

Owner

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 NIEDWE BAAN 78
 9111 BELSELE
 BELGIUM

De.kerf.ben@tel

Details

CANINE	D.O.B	10/06/201
KEMI BILLY (BILLY)	Microchip No.	933032607
BORDER COLLIE	ISDS Reg	00/368670
MALE	Tattoo No.	

Material SWAB **Sample received:** 21/10/2020
Date:

name: 8309D COBALAMIN MALABSORPTION
 (IMERSLUND-GRÄSBECK-SYNDROME /IGS)

Appearance: N/ N (Clear)

Interpretation:

The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for IGS in the CUBN-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the Border Collie breed.

The current result is only valid for the sample submitted to our laboratory.

The laboratory is accredited for the performed tests according to DIN EN ISO 17025 (D-PL-13186-01). (except partner lab tests).

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Animal Details

Animal: CANINE
Name: KEMI BILLY (BILLY)
Breed: BORDER COLLIE
Sex: MALE

D.O.B: 10/06/2018
Microchip No.: 933032607088159
ISDS Reg: 00/368670
Tattoo No.:

Sample

Sample Material: SWAB
Sample Date:

Sample received: 21/10/2020

Test

Test Name: 8075 Neuronal Ceroid Lipofuscinosis (NCL)

Result

Genotype: N/N Clear

Interpretation: The dog is homozygous normal for the intact gene.

The dog is genetically clear of the mutation which is suggested to cause NCL (Neuronal Ceroid Lipofuscinosis).

The dog can pass only the normal gene onto its entire offspring.

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Border Collie, Australian Cattle Dog

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Sex: MALE

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ISDS Reg: 00/368670
Tattoo No.:

Sample

Sample Material: SWAB
Sample Date:

Sample received: 21/10/2020

Test

Test Name: 8394 Raine Syndrome

Result

Genotype: N / N (Clear)

Interpretation:

The examined animal is homozygous for the wild type allele. It does not carry the causative mutation for Raine Syndrome in the FAM20C-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Border Collie

The current result is only valid for the sample submitted to our laboratory.

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Sex	MALE	Tattoo No.	

Sample

Sample Material	SWAB	Sample received:	21/10/2020
Sample Date:			

Test

Test Name:	8143 Trapped Neutrophil Syndrome (TNS)
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Result

Genotype:	N/N (Clear)
Interpretation:	<p>The analysed dog is homozygous for the wild type allele. It does not carry the Trapped Neutrophil Syndrome (TNS) causative mutation in the VPS13B-gene.</p> <p>Trait of inheritance: autosomal-recessive</p> <p>The dog has no risk of developing Trapped Neutrophil Syndrome.</p> <p>The dog is a noncarrier of the mutation and will pass only the intact gene to its entire offspring.</p> <p>This result is only valid for the submitted sample material and the Border Collie breed.</p>

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ISDS Reg 00/368670
Tattoo No.

Sample

Sample Material SWAB
Sample Date:

Sample received: 21/10/2020

Test

Test Name: 8596Sensory Neuropathy (SN)

Result

Genotype: N/ N Clear

Interpretation:

The examined animal is homozygous for the wild-type allele. It does not carry the causative mutation for SN in the FAM134B-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the Border Collie breed.

The result is only valid for the submitted sample.