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LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG

LABOKLIN GmbH & Co. KG , Steubenstraße 4 , 97688 Bad Kissingen

Mevr.
Juanita Janssen
Horsterweg 36
5811 AC Castenray
Niederlande

Report No.:	**2109-W-83318**
Date of arrival:	24.09.2021
Date of report:	28.09.2021
Testing started:	24.09.2021
Testing completed:	28.09.2021

Species:	Cat
Breed:	Maine Coon
Gender:	Female
Name:	Roosiric Nimue
Stud book No.:	MCO 220820-11912 ICW
Chip No.:	528210006345966
Date of birth / Age:	22.08.2020
Type of sample:	Swab
Date sample was taken:	06.09.2021
Sampler:	Dierenkliniek De Oude Melkfabriek
Owner / Animal-ID:	Janssen, Juanita
IT No. / Report-ID:	---

Hypertrophic cardiomyopathy (HCM) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Hypertrophic Cardiomyopathy in the MYBPC3-gene (A31P).

Trait of inheritance: autosomal-dominant

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Maine Coon and related breeds

Hypertrophic Cardiomyopathy (Ragdoll) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Hypertrophic Cardiomyopathy in the MYBPC3-gene (R820W).

Trait of inheritance: autosomal-dominant

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Ragdoll and related breeds

Polycystic kidney disease (PKD) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Polycystic Kidney Disease in the PKD1-gene.

Trait of inheritance: autosomal-dominant

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Pyruvatkinase Deficiency:

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Pyruvate Kinase Deficiency in the PKLR-gene.

Trait of inheritance: autosomal-recessive

Progressive Retinal Atrophy (rdAc-PRA):

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Progressive retinal atrophy (rdAc-PRA) in the CEP290-gene.

Trait of inheritance: autosomal-recessive

Genetic determination of bloodgroup - PCR

Result: Genotype N/b

Interpretation: The examined animal is heterozygous for one of the causative genetic variants found in correlation with the serologic blood group B so far.

The test detects the genetic variants of the alleles b and c. Allelic series: N>c>b

Scientific studies found correlation between the allele c and the serologic blood group AB (C) exclusively for Ragdoll cats.

Feline Spinal Muscular Atrophy (SMA) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Spinal Muscular Atrophy in the LIX1-LNPEP-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Maine Coon and related breeds

Glycogen storage disease (GSDIV) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causative mutation for Glykogen storage disease Type IV in the GBE1-gene.

Trait of inheritance: autosomal-recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Norwegian forest cat and related breeds

Breeding club discounts were granted for discountable services!

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Sampling:

The following impartial person (veterinarian, breed warden, or similar) signed the form for the sampling and identity check of the animal:

Dierenkliniek De Oude Melkfabriek

These results are based on the sample material submitted to our laboratory.

This was suitable if not stated otherwise. The submitter is responsible for the accuracy of the information regarding the sample. This report can only be transmitted in toto and unchanged. Doing otherwise requires written permission from Laboklin GmbH & Co. KG.

LABOKLIN is an accredited laboratory according to DIN EN ISO/IEC 17025:2018, DAkkS No. D-PL-13186-01-01 and D-PL-13186-1-02. The accreditation applies to all test procedures listed in the accreditation certificate.

Fr. MSc Michelle Meißler
Abt. Molekularbiologie

***** END of report *****

Laboklin App

PCR diagnostics for equine herpes virus

Due to the currently increased need for PCR tests for EHV1 and EHV4, we are performing this test for you up to 4 times a day. Results are usually available within 1-2 working days after arrival of the sample in the lab.