GENOMIA
genetic laboratory

Result certificate #012345

Detection of c.26G>A mutation in PLN gene causing DCM in Welsh Springer Spaniels

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic
Sample:
Sample: 21-12345
Date received: 01.02.2021
Sample type: blood

Information provided by the customer
Name: Lassie DEMO
Breed: Plemeno
Tattoo number: 1392013
Microchip: 123 456 789 012 345
Reg. number: REGQ12345
Date of birth: 1.1.2020
Sex: female
Date of sampling: 01.02.2021
The identity of the animal has been checked.

Result: Mutation was not detected (N/N)

Explanation

Presence or absence of c.26G>A mutation in PLN gene causing dilated cardiomyopathy DCM in Welsh Springer Spaniels was tested. DCM is characterized by cardiomegaly (enlarged heart) and worsening of its function. Affected dogs may have heart failure or collapse due to heart arrhythmias.

The clinical symptoms occur in individuals that have a heterozygous genotype for this gene. The genetic penetration of this mutation may be influenced not only by genetic factors (inheritance), but also by environmental impacts and therefore the inheritance of the dilated cardiomyopathy in Welsh Springer Spaniels has not be clarified so far.

Method: SOP188-MPS-canine, MPS, accredited method

Date of issue: 06.02.2021
Date of testing: 01.02.2021 - 06.02.2021
Approved by: Mgr. Martina Šafrová, Laboratory Manager

verified and certified document
GENOMIA genetic laboratory

SAMPLE

Genomia is accredited in compliance with ISO/IEC 17025:2018 under #1549
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Report verification code is: 12AB-CD34-GENO-MIA0-EFGH. You can verify report online at www.genomia.cz
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