

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 been clarified so far.

Method: SOPAgriseq_canine, ngs, accredited method

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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