

Canine Genetic Health Certificate[™]

Call Name:

Barron

Registered Name:

Barron Von Blue

Breed:

Rough Collie

Sex:

Male

DOB:

April 2013

Laboratory #:

8148

Registration #:

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Tattoo: V

Wht factored Blue merle

w/ full Wht collar

Certificate Date:

March 5, 2015

This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Degenerative myelopathy	SOD1	WT/WT	Normal
Multidrug resistance 1	ABCB1	WT/M	Carrier

WT, wild type (normal); M, mutant

Paw Print Genetics™ performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation. Genetic counseling is available at Paw Print Genetics.

Sm Solly

Blake C Ballif, PhDLaboratory & Scientific Director

E RCY

Casey R Carl, DVM
Associate Medical Director

Test Report

Robert Fleming 221 Hope Lane DUNLAP, TN 37327 USA

Optigen Accession #: 13-9289 Report issued for: Barron von Blue

OptiGen Test Certificate

Optigen Accession #: 13-9289

Test Performed: CEA/CH test

Registered Name: N/A

Breed: Collie Sex: Male

Date of Birth: April 18, 2013

Owner(s):

Robert Fleming

Test Completed: 09/12/2013 Report Issued: 09/13/2013

Result: Normal Sample Type: Blood

Reg#: N/A

ID#: Blue merle



OptiGen Authorized Signatu

www.optigen.com

Test Results: Genotype of your dog is NORMAL/CLEAR.

Risk for developing Collie Eye Anomaly/Choroidal Hypoplasia (CEA/CH): This dog will never develop CEA/CH. Significance for breeding: This dog can be bred to any mate and will produce no pups affected with CEA/CH.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing CEA/CH in Collies as of the date on this report.

For further information, please consult the OptiGen website at www.optigen.com. Note: The use of this test is patent protected and licensed to OptiGen. See http://www.optigen.com/opt9_patent.html for details.

International DNA Based Genetic Database: To register this result with OFA, make a copy, sign below, mail WITH FEE, to OFA, 2300 E. Nifong Blvd, Columbia, MO 65201-3856 or FAX to 573-875-5073, www.offa.org

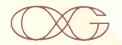
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative:

Cornell Business & Technology Park

tel: 607.257.0301

fax: 607.257.0353



Test Report

Robert Fleming 221 Hope Lane DUNLAP, TN 37327 USA Optigen Accession #: 13-9289
Report issued for: Barron von Blue

OptiGen Test Certificate

Optigen Accession #: 13-9289

Test Performed: Rod-Cone Dysplasia Type 2

Registered Name: N/A

Breed: Collie Sex: Male

Date of Birth: April 18, 2013

Owner(s):

Robert Fleming

Test Completed: 09/18/2013 Report Issued: 09/26/2013

OptiGen Authorized Signatur

Result: Normal
Sample Type: Blood

Reg#: N/A

ID#: Blue merle



www.optigen.com

Test Results: Genotype of Dog tested is Normal

Risk for developing rcd2 form of PRA: Will never develop rcd2 form of PRA.

Significance for breeding: Can be bred to any dog and will produce no pups affected by rcd2 form of PRA.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the rcd2 form of PRA in Collies as of the date on this report.

For further information, please visit OptiGen's website at www.optigen.com.

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