



## Canine Genetic Health Certificate <sup>TM</sup>

**Call Name:** Barron  
**Registered Name:** Barron Von Blue  
**Breed:** Rough Collie  
**Sex:** Male  
**DOB:** April 2013

**Laboratory #:** 8148  
**Registration #:** -  
**Tattoo:** 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.

**Blake C Ballif, PhD**  
Laboratory & Scientific Director

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

Test Performed: **CEA/CH test**

Result: **Normal**  
Sample Type: **Blood**

Registered Name: **N/A**

Reg#: **N/A**

Breed: **Collie**

ID#: **Blue merle**

Sex: **Male**

Date of Birth: **April 18, 2013**

Owner(s):

**Robert Fleming**



*Susan Peasart Kelling*  
OptiGen Authorized Signature

[www.optigen.com](http://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](http://www.optigen.com). Note: The use of this test is patent protected and licensed to OptiGen. See [http://www.optigen.com/opt9\\_patent.html](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](http://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 Completed: 09/18/2013**  
**Report Issued: 09/26/2013**

**Test Performed: Rod-Cone Dysplasia Type 2**

**Result: Normal**  
**Sample Type: Blood**

**Registered Name: N/A**

**Reg#: N/A**

**Breed: Collie**

**ID#: Blue merle**

**Sex: Male**

**Date of Birth: April 18, 2013**

**Owner(s):**

**Robert Fleming**



*Susan Pearson Kelling*  
**OptiGen Authorized Signature**

[www.optigen.com](http://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](http://www.optigen.com).

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