

Test Report

Patricia K Dranchak
9104 Bobwhite Cir.
Gaithersburg, MD 20879
USA

Optigen Accession #: **13-12934**
Report issued for: **Surge**

OptiGen Test Certificate

Optigen Accession #: 13-12934

Test Completed: 12/10/2013
Report Issued: 12/11/2013

Test Performed: **CEA/CH test**

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

Registered Name: **Surge**

Reg#: **358848**

Breed: **Border Collie**

ID#: **981010001882051**

Sex: **Male**

Date of Birth: **August 05, 2010**

Owner(s):

Patricia K Dranchak



Susan Reasutelling
OptiGen Authorized Signature

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 Border 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.ofa.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

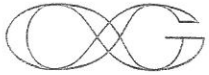
tel: 607.257.0301

fax: 607.257.0353

767 Warren Road, Suite 300, Ithaca, NY 14850

email: genetest@optigen.com

web: www.optigen.com



Test Report

Patricia K Dranchak
9104 Bobwhite Cir.
Gaithersburg, MD 20879
USA

Optigen Accession #: **13-12934**
Report issued for: **Surge**

OptiGen Test Certificate

Optigen Accession #: 13-12934

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

Test Performed: **TNS Test**

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

Registered Name: **Surge**

Reg#: **358848**

Breed: **Border Collie**

ID#: **981010001882051**

Sex: **Male**

Date of Birth: **August 05, 2010**

Owner(s):

Patricia K Dranchak



Susan Feasby Kelling
OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of Border Collie tested is **NORMAL**.

Risk for developing TNS (Trapped Neutrophil Syndrome): This dog will never develop TNS.

Significance for breeding: This dog can be bred to any Border Collie and will produce no pups affected with TNS.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing TNS (Trapped Neutrophil Syndrome) in Border 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

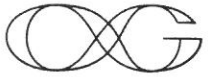
I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative _____

Cornell Business & Technology Park

tel: 607.257.0301

fax: 607.257.0353



OPTIGEN[®] LLC

for the genetic advantage

Test Report

Patricia K Dranchak
9104 Bobwhite Cir.
Gaithersburg, MD 20879
USA

Optigen Accession #: **13-12934**
Report issued for: **Surge**

OptiGen Test Certificate

Optigen Accession #: **13-12934**

Test Completed: **12/10/2013**
Report Issued: **12/11/2013**

Test Performed: **CL Test**

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

Registered Name: **Surge**

Reg#: **358848**

Breed: **Border Collie**

ID#: **981010001882051**

Sex: **Male**

Date of Birth: **August 05, 2010**

Owner(s):

Patricia K Dranchak



Susan Peaske
OptiGen Authorized Signature

www.optigen.com

Test Results: Genotype of Border Collie tested is **NORMAL**.

Risk for developing CL (Neuronal Ceroid Lipofuscinosis): This dog will never develop CL.

Significance for breeding: This dog can be bred to any Border Collie and will produce no pups affected with CL.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing CL (Neuronal Ceroid Lipofuscinosis) in Border 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

767 Warren Road, Suite 300, Ithaca, NY 14850

email: genetest@optigen.com

web: www.optigen.com