

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



MAIDSTONE EDLYN FRIED PIE
registered name AT BARTON CREEK
LABRADOR RETRIEVER
breed

SR89080102
registration no.

F
sex

7/20/2015
date of birth

24
age at evaluation in months



A Not-For-Profit Organization

tattoo/microchip/DNA profile

1824989
application number

8/21/2017
date of report

LR-228626E24F-NOPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

RESULTS:

Based upon the radiograph submitted, the consensus was that no evidence of hip dysplasia was recognized. The hip joint conformation was evaluated as:

SPINE: TRANSITIONAL VERTEBRA

EXCELLENT

owner

KARL HANCOCK
DIANE MCCLURG
ERIN MCCLURG-WEBSTER
23409 OSCAR ROAD
SPICEWOOD, TX 78669

G.G.KELLER, D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

www.offa.org

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application number

8/21/2017
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LR-EL79627F24-NOPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

RESULTS:

Based upon the radiograph submitted, the consensus was that no evidence of elbow dysplasia was recognized.

NORMAL

owner

KARL HANCOCK
DIANE MCCLURG
ERIN MCCLURG-WEBSTER
23409 OSCAR ROAD
SPICEWOOD, TX 78669

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Laboratory Report

Laboratory #:	31191	Call Name:	Krispey
Order #:	40646	Registered Name:	Maidstone Edlyn Fried Pie At Barton Creek
Ordered By:	Danna Hancock	Breed:	Labrador Retriever
(Co-)Owner:	Danna Hancock/Diane McClurg/Erin McClurg Webster	Sex:	Female
Ordered:	May 22, 2018	DOB:	July 2015
Received:	June 14, 2018	Registration #:	SR89080102
Reported:	June 28, 2018		

Results:

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis	<i>SUV39H2</i>	WT/M	Carrier
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/WT	Normal (clear)
Retinal Dysplasia/Oculoskeletal Dysplasia 1	<i>COL9A3</i>	WT/WT	Normal (clear)
Skeletal Dysplasia 2	<i>COL11A2</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

Interpretation:

Molecular genetic analysis was performed for six specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in five of the mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these five mutations. However, we identified one normal copy and one mutant copy of the DNA sequences for *SUV39H2*. Thus, this dog is a carrier of Hereditary Nasal Parakeratosis.

Recommendations:

Hereditary Nasal Parakeratosis is inherited in an autosomal recessive fashion. Based on this, and the fact that this dog showed a mutation in one copy of the *SUV39H2* gene, this dog is a carrier of this disease. Although dogs that carry only one copy of this mutation will not be clinically affected, if bred with another carrier, the pairing could produce affected offspring. To avoid producing affected offspring, this dog should be bred with dogs that are normal (WT/WT) for this gene. Dogs related to this dog have an increased risk to be affected by or carry the mutated gene. Additional testing for this mutation is indicated for related dogs.

Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



CERTIFICATE OF RESULTS

OWNER'S NAME: DANNA HANCOCK
PET'S NAME**: KRISPEY

PET'S REGISTRATION #: NOT PROVIDED
PET'S BREED: LABRADOR BITCH
TEST: EXERCISE INDUCED COLLAPSE (EIC)
DATE: 2/28/2017

Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

TEST SCORE*:

A

SAMPLE ID #:

52659

For detailed result explanation
please visit our website:

www.GenSolDx.com

*All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

**GenSol warrants its test results to be accurate for the sample obtained from the above dog. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSO BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**Please consult a licensed veterinarian
to discuss the implications of the above test results.**

125 North Main Street Unit 1846, Clayton, GA 30525

(407) 530-3788 - info@Gensoldx.com

WWW.GENSOLDX.COM

Coat Color and Trait Certificate

Call Name:	Krispey	Laboratory #:	31191
Registered Name:	Maidstone Edlyn Fried Pie At Barton Creek	Registration #:	SR89080102
Breed:	Labrador Retriever	Certificate Date:	June 28, 2018
Sex:	Female		
DOB:	July 2015		

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

Coat Color/Trait Test	Gene	Genotype	Interpretation
B Locus (Brown)	<i>TYRP1</i>	b/b	Brown coat, nose and foot pads
D Locus (Dilute)	<i>MLPH</i>	D/D	Non dilute
L Locus (Long Hair/Fluffy)	<i>FGF5</i>	Sh/Sh	Shorthaired

Interpretation:

This dog carries two copies of **b** at the b^c , b^d or b^s locus making the overall B locus genotype of this dog **b/b**. The overall B locus genotype for a dog is determined by the combination of the genotypes at the b^c , b^d , and b^s loci. The b^c , b^d , and b^s variants confer brown coat, nose, and foot pads when at least one of these DNA changes is present on both genes of the dog at the B locus. If the dog has one or no copies of **b** then the dog will have a black coat, nose, and foot pads. However, this dog's coat color is also dependent on the E, K, and A genes. This dog will pass on **b** to 100% of its offspring.

This dog carries two copies of **D** which does not result in the "dilution" or lightening of the black and yellow/red pigments that produce the dog's coat color. The base coat color of this dog will be primarily determined by the E, K, A, and B genes. This dog will pass on **D** to 100% of its offspring.

This dog carries two copies of **Sh** which results in short hair. However, the overall coat type of this dog is dependent on the combination of this dog's genotypes at the L, Cu, and IC loci. This dog will pass **Sh** on to 100% of its offspring.

Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.



Helen F Smith, PhD
Assistant Laboratory Director



Casey R Carl, DVM
Associate Medical Director

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. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results.