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MBISS CAN GCH. **EAGERTRIEVE**
PAEVALLEY ENDEAVOR

Elliot

BISS AM CH. DEVONSHIRES HUCKLEBERRY FINN X CH.EAGERTRIEVES PAEVALLEY CHARMER

BORN: OCT 12/2016 HIPS: OFA EXCELLENT ELBOWS: OFA NORMAL
OPTIGEN, EYES, HEART, EIC, HNPCK, CNM & DM, LONG COAT: CLEAR
RETINAL/OCULOSKELETAL/SKELETAL DYSPLASIA: CLEAR

Does not carry chocolate or dilute

CO-OWNED WITH KAREN BECKER (PAEVALLEY LABRADORS)

PAEVALLEY.COM

CANADIAN KENNEL CLUB



CLUB CANIN CANADIEN

Purebred Dog Certificate of Registration
Certificat d'enregistrement de chien de race pure

Reg. No.: **DU686437** Name: **EAGERTRIEVE PAEVALLEY ENDEAVOR**

Date Issue: **09-MAR-2017**

Breed: **RETRIEVER (LABRADOR)**

Date of Birth: **12-OCT-2016**

Litter No.: **AW537135DU**

Colour: **YELLOW**

Tattoo Markings and/or Microchip No.: **C7B 85D RE (956000005789520)**

Sex: **MALE**

Progeny: **2M 1F**

Sire's Reg'd No. & Name: **SR76808102 DEVONSHIRES HUCKLEBERRY FINN (USA)**

Dam's Reg'd No. & Name: **AW537135 CH EAGERTRIEVE PAEVALLEY CHARMER**

Breeder: **OWNER AT BIRTH**

Owner at Birth: **JOLENE M LINGNAU (0960856) & KAREN BECKER (1386499)**

Address: **PO BOX 40**

City Prov P/C: **GWYNNE AB T0C 1L0**

Ref No.: **50129918**

OCR No.: **CMK-621B**

Purchase Date:

Owner: **JOLENE M LINGNAU & KAREN BECKER, GWYNNE, AB**

Foreign Reg No.:

Importer:

The Canadian Kennel Club is an animal pedigree association incorporated under the Animal Pedigree Act.

CANADIAN KENNEL CLUB



CLUB CANIN CANADIEN

GRAND CHAMPION

CH EAGERTRIEVE PAEVALLEY ENDEAVOR

Registered Name/Nom enregistré

JOLENE M LINGNAU & KAREN BECKER

Owned by/Propriété de

RETRIEVER (LABRADOR)

Breed/Race

DU686437

No./N°

TORONTO

Dated at/Lieu et date

MAY 27, 2018



ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



EAGERTRIEVE PAEVALLEY ENDEAVOR, GCH
registered name

DU686437
registration no.

LABRADOR RETRIEVER
breed

M
sex

10/12/2016
date of birth

956000005789520
tattoo/microchip/DNA profile

28
age at evaluation in months

1913856
application number

LR-238924E28M-VPI
O.F.A. NUMBER

3/8/2019
date of report

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



A Not-For-Profit Organization

RESULTS:

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

EXCELLENT

owner

JOLENE KLOTZ
PO BOX 40
GWYNNE, AB T0C1L0
CANADA

G.G. Keller DVM

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

www.ofa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



EAGERTRIEVE PAEVALLEY ENDEAVOR, GCH
registered name

DU686437
registration no.

LABRADOR RETRIEVER
breed

M
sex

10/12/2016
date of birth

956000005789520
tattoo/microchip/DNA profile

28
age at evaluation in months

1913856
application number

LR-EL88495M28-VPI
O.F.A. NUMBER

3/8/2019
date of report

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



A Not-For-Profit Organization

RESULTS:

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

NORMAL

owner

JOLENE KLOTZ
PO BOX 40
GWYNNE, AB T0C1L0
CANADA

G.G. Keller DVM

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

www.ofa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



EAGERTRIEVE PAEVALLEY ENDEAVOR

registered name

LABRADOR RETRIEVER

breed

C042330

film/test/lab #

956000005789520

tattoo/microchip/DNA profile

1913856

application number

11/20/2017

date of report

DU686437

registration no.

M

sex

10/12/2016

date of birth

12

age at evaluation in months

LR-ACA586/12M-VPI

O.F.A. NUMBER

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



A Not-For-Profit Organization

RESULTS:

NORMAL: NO EVIDENCE OF CONGENITAL OR ADULT ONSET INHERITED HEART DISEASE -- AUSCULTATION & ECG & ECHO (NOTE: THE CONGENITAL CLEARANCE IS CONSIDERED PERMANENT; ADULT ONSET CLEARANCE VALID FOR 1 YEAR FROM TEST DATE 10/28/2017.)
EXAMINER: CH08-KIM HAWKES, DVM, DACVIM

owner

JOLENE LINGNAU
KAREN BECKER
BOX 40
GWYNNE, AB T0C1L0
CANADA

G.G. Keller DVM

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

www.offa.org

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

EAGERTRIEVE PAEVALLEY ENDEAVOR, GCH

registered name

LABRADOR RETRIEVER

breed

21DN6W/Z

film/test/lab #

956000005789520

tattoo/microchip/DNA profile

1913856

application number

05/11/2021

date of report

RESULTS:

Based upon the exam dated 01/17/2021, this dog has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

DU686437

registration no.

M

sex

10/12/2016

date of birth

51

age at evaluation in months

LR-EYE13374/51M-VPI

O.F.A. NUMBER

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



A Not-For-Profit Organization

NORMAL

owner

JOLENE KLOTZ; KAREN BECKER
PO BOX 40
GWYNNE AB T0C1L0
CANADA

OFA eCert



Verify certificate
with QR scan

G.G. Keller DVM

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

www.offa.org

Laboratory Report

Laboratory #:	65177	Call Name:	Elliot
Order #:	28401	Registered Name:	Ch.Eagertrieves Paevalley Endeavor
Ordered By:	Jolene Lingnau	Breed:	Labrador Retriever
Ordered:	Sept. 15, 2017	Sex:	Male
Received:	Oct. 2, 2017	DOB:	Oct. 2016
Reported:	Oct. 12, 2017	Registration #:	DU686437
		Microchip #:	95600005789520

Results:

Disease	Gene	Genotype	Interpretation
Centronuclear Myopathy	<i>PTPLA</i>	WT/WT	Normal (clear)
Copper Toxicosis (Labrador Retriever Type)	<i>ATP7B</i>	WT/M	At-Risk
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Exercise-Induced Collapse	<i>DNM1</i>	WT/WT	Normal (clear)
Hereditary Nasal Parakeratosis	<i>SUV39H2</i>	WT/WT	Normal (clear)
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 eight specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in seven of the mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these seven mutations. However, we identified one normal copy and one mutant copy of the DNA sequences for *ATP7B*. Thus, this dog is at risk for Copper Toxicosis (Labrador Retriever Type).

Recommendations:

Copper Toxicosis (Labrador Retriever Type) is inherited in an autosomal incomplete dominant fashion. Based on this, and the fact that this dog showed a mutation in one copy of the *ATP7B* gene, this dog is at risk for this disease. Though copper toxicosis is most commonly seen in dogs having two copies of the mutated gene, dogs inheriting a single copy of the mutation also have an increased, though lesser, risk of developing copper toxicosis. In addition, this disease appears to be sex-influenced in that female dogs inheriting one or two copies of the *ATP7B* mutation are at an increased risk of developing clinical disease compared to their male counterparts. Dogs with copper toxicosis have a decreased ability to excrete dietary copper from the body resulting in excessive copper storage in tissues and organs, including the liver, which can result in liver damage and subsequent cirrhosis. Though the age of onset and speed of disease progression are variable, most affected dogs will present in middle age with non-specific signs of liver dysfunction including weight loss, lethargy, weakness, vomiting, diarrhea, and abdominal pain. In late stages of disease, affected dogs may develop signs of liver failure including abdominal swelling, jaundice, and neurological dysfunction. Dogs found to have one or two copies of the mutation may benefit from certain therapies. When a dog that has inherited a single copy of this mutation is bred

with another dog with a single copy of the same mutation, there is risk of having affected pups. For each pup that is born to this pairing, there is a 25% chance that the puppy will inherit two copies of the mutation and a 50% chance that the puppy will inherit one copy of the mutation and, in either case, may be susceptible to developing copper toxicosis. Dogs related to this dog have an increased risk to be affected by the mutated gene. Additional testing for this mutation is indicated for related dogs.

This dog was also tested for a genetic mutation of the canine *ATP7A* gene which partially protects against copper toxicosis in dogs that have inherited the *ATP7B* mutation described above. This dog carries one copy of the *ATP7A* gene mutation. Therefore, this dog may have a lesser risk of copper toxicosis than the risk associated with the inheritance of the *ATP7B* gene mutation alone. The *ATP7A* gene mutation is more effective at decreasing the risk of copper toxicosis in male dogs than females. However, since multiple factors (both genetic and environmental) play a role in causing copper toxicosis, the *ATP7A* mutation is not completely protective in either sex. Note: The *ATP7A* mutation is located on the X-chromosome. Since males only have a single X chromosome they can only inherit a single copy of this mutation.

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



Christina J Ramirez, PhD, DVM, DACVP
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.