

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

ARMADA'S LET IT RAIN, CAN CH  
*registered name*

ZN500395  
*registration no.*

PORTUGUESE WATER DOG  
*breed*

M  
*sex*

7/27/2012  
*date of birth*

LUJ 1Z RF  
*tattoo/microchip/DNA profile*

27  
*age at evaluation in months*



A Not-For-Profit Organization

1684689  
*application number*

PW-EL2969M27-VPI  
*O.F.A. NUMBER*

11/11/2014  
*date of report*

*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

MICHELLE HARDMAN  
1107 8TH STREET SE  
CALGARY, AB T2G2Z6  
CANADA

*G.G. Keller DVM*

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

www.offa.org

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LUJ 1Z RF  
*tattoo/microchip/DNA profile*

27  
*age at evaluation in months*



A Not-For-Profit Organization

1684689  
*application number*

PW-7233G27M-VPI  
*O.F.A. NUMBER*

11/11/2014  
*date of report*

*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:

GOOD

owner

MICHELLE HARDMAN  
1107 8TH STREET SE  
CALGARY, AB T2G2Z6  
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

2300 E Nifong Blvd, Columbia, MO 65201-3806  
Phone: (573) 442-0418; Fax: (573) 875-5075  
[www.ofa.org](http://www.ofa.org), A not-for-profit organization

Registered name:

CH. Armada's Let it Rain Ser: M

Breed: Portuguese Water Dog

ID Number (if any):  Microchip

Registration Number: LUT 1 Z R F  Other

Date of Birth: 22500395

Date of Exam: July 27, 2012 Nov 1, 2014

Owner/Co-owner Name: Michelle Hardman

Co-Owner Name: Phone:

Owner Address: 1107 8th St. SE

City: Calgary State: AB Zip/postal code:

E-Mail (use both lines if needed): mhardman2003@gmail.com

I hereby certify that the animal examined is the animal described on this application. I understand that only normal results will be released to the public unless the initials of a registered owner appear in the authorization box below which permits the OFA to release non-passing results to the public.

Signature of owner or authorized agent/representative: *[Signature]*

I hereby authorize the OFA to release the results of the evaluation of the animal described on this application to the public if the results are non-passing (initials) \_\_\_\_\_

### OFA Eye Clearance Database

- Initial submission ..... \$12.00
- Resubmits: ..... \$8.00
- Litter of 3 or more submitted together ..... \$30.00
- Kennel Rate—Minimum of 5 individuals submitted as a group, owned/co-owned by same person, ..... \$7.50 ea.
- Submission of non-passing results in the open database: NO CHARGE

Payments can be made by check, money order (U.S. funds drawn on a U.S. bank), cash, Visa, or Mastercard, payable to the Orthopedic Foundation for Animals.

To pay by Credit Card, see the back of the WHITE sheet.

6/26/13

150573

WHITE = Owner/OFA Registration copy; YELLOW = ACVO Research copy; PINK = ACVO Diplomat copy

## Companion Animal Eye Registry (CAER)

Ortho-Info-11-13-13

RIGHT EYE	GLOBE	LEFT EYE
<input type="checkbox"/>	microphthalmos	<input type="checkbox"/>
<input type="checkbox"/>	keratoconjunctivitis sicca	<input type="checkbox"/>
<input type="checkbox"/>	glaucoma	<input type="checkbox"/>
<input type="checkbox"/>	<b>EYELIDS</b>	<input type="checkbox"/>
<input type="checkbox"/>	entropion	<input type="checkbox"/>
<input type="checkbox"/>	ectropion	<input type="checkbox"/>
<input type="checkbox"/>	distichiasis	<input checked="" type="checkbox"/>
<input type="checkbox"/>	ectopic cilia	<input type="checkbox"/>
<input type="checkbox"/>	imperforate lacrimal punctum	<input type="checkbox"/>
<input type="checkbox"/>	<b>NICTITANS</b>	<input type="checkbox"/>
<input type="checkbox"/>	cartilage anomaly/eversion	<input type="checkbox"/>
<input type="checkbox"/>	gland prolapse	<input type="checkbox"/>
<input type="checkbox"/>	plasmoma/atypical pannus	<input type="checkbox"/>
<input type="checkbox"/>	<b>CORNEA</b>	<input type="checkbox"/>
<input type="checkbox"/>	dystrophy—epithelial/stromal	<input type="checkbox"/>
<input type="checkbox"/>	dystrophy—endothelial	<input type="checkbox"/>
<input type="checkbox"/>	pannus	<input type="checkbox"/>
<input type="checkbox"/>	exposure/pigmentary keratitis	<input type="checkbox"/>
<input type="checkbox"/>	<b>UVEA</b>	<input type="checkbox"/>
<input type="checkbox"/>	uveal cyst	<input type="checkbox"/>
<input type="checkbox"/>	iris coloboma	<input type="checkbox"/>
<input type="checkbox"/>	iris hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	iris sphincter dysplasia	<input type="checkbox"/>
<input type="checkbox"/>	pigmentary uveitis	<input type="checkbox"/>
<input type="checkbox"/>	uveal melanoma	<input type="checkbox"/>

B. H. Grabn, DVM, (Diplomate ABVP—ACVO), 170  
Lynne Sandmeyer, DVM, (Diplomate ACVO), 258  
Bianca Bauer, DVM, (Diplomate ACVO), 379  
Professor, Small Animal Clinical Sciences  
University of Saskatchewan  
Saskatoon, Saskatchewan S7N 5B4  
(306) 966-7126

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RIGHT EYE	FUNDUS	LEFT EYE
<input type="checkbox"/>	retinal detachment	<input type="checkbox"/>
<input type="checkbox"/>	retinal atrophy—generalized	<input type="checkbox"/>
<input type="checkbox"/>	retinopathy	<input type="checkbox"/>
<input type="checkbox"/>	retinal dysplasia	<input type="checkbox"/>
<input type="checkbox"/>	choroidal hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	coloboma	<input type="checkbox"/>
<input type="checkbox"/>	optic nerve coloboma	<input type="checkbox"/>
<input type="checkbox"/>	optic nerve hypoplasia	<input type="checkbox"/>
<input type="checkbox"/>	micropapilla	<input type="checkbox"/>

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I DID verify microchip/tattoo on this dog

I DID NOT verify microchip/tattoo on this dog

I certify that I have performed this ophthalmic examination using pharmacological mydriasis, ophthalmoscopy and biomicroscopy.

Signature: *[Signature]* Date: 170 Nov/2012

ACVO #

Comments:



Section of Medical Genetics  
School of Veterinary Medicine  
University of Pennsylvania  
jdcmtest@vet.upenn.edu



**Michelle Hardman**  
184 Hidden Spring Cl. NW  
Calgary AB T3A 5J4  
Canada

November 14, 2014

Owner Information

**Owner:** Michelle Hardman  
**Co-Owners:**

Dog Information

**Registered Name:** Armada's Let It Rain  
**Call Name:** Splash **CKC #:** ZN 500395  
**Date of Birth:** 7/27/2012 **Sex:** male

JDCM Linked Marker DNA Test Information

**Test Pattern/Genotype:** 1-1

**Test Result:** probable normal **Test ID Number:** 7229  
**Type of Sample:** Cheek Swabs

**Result Interpretation:** 1-1 (probable normal) dogs are not expected to develop JDCM, nor are they expected to pass a JDCM-causing gene to their offspring. Due to the inherent nature of linked marker tests, there is a slight chance that a pattern 1-1 dog is a carrier of JDCM and an even smaller chance that a pattern 1-1 dog is affected (see JDCM linked marker DNA test FAQ sheet at [www.pwdca.org](http://www.pwdca.org) or [www.pwdfoundation.org](http://www.pwdfoundation.org)).

Sincerely,

**Paula S. Henthorn, PhD**  
Section of Medical Genetics  
School of Veterinary Medicine  
University of Pennsylvania



**OPTIGEN**<sup>®</sup> LLC

for the genetic advantage

## Test Report

Michelle Hardman  
184 Hidden Spring Close NW  
Calgary, Alberta T3A 5J4  
Canada

Optigen Accession #: 14-9359  
Report issued for: Splash

### OptiGen Test Certificate

Optigen Accession #: 14-9359

Test Completed: 10/17/2014  
Report Issued: 10/17/2014

Test Performed: GM1

Result: Normal  
Sample Type: Swab

Registered Name: Ch. Armada's Let It Rain

Reg#: ZN500395

Breed: Portuguese Water Dog

ID#: LUJ 1Z

Sex: Male

Date of Birth: July 27, 2012

Owner(s):

Michelle Hardman



*Susan Reas-Kelling*  
OptiGen Authorized Signature

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

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

Risk for developing GM1: This dog will not develop the form of storage disorder caused by the GM1 mutation.

Significance for breeding: Genetically Normal/Clear dogs can be bred to any dog and will produce no pups affected with disease due to the GM1 mutation.

Other forms of storage disease(s): Please note that the GM1 DNA test is only able to identify the single mutation currently known as GM1 in the PWD. DNA tests do not replace the importance of regular veterinary clinical assessments of breeding stock.

For further information, please consult the OptiGen website at [www.optigen.com](http://www.optigen.com)

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](http://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](mailto:genetest@optigen.com)

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



**Test Report**

Michelle Hardman  
184 Hidden Spring Close NW  
Calgary, Alberta T3A 5J4  
Canada

Optigen Accession #: 14-9359  
Report issued for: Splash

**OptiGen Test Certificate**

Optigen Accession #: 14-9359

Test Completed: 10/17/2014  
Report Issued: 10/17/2014

Test Performed: prcd Mutation Test for PRA

Result: Carrier  
Sample Type: Swab

Registered Name: Ch. Armada's Let It Rain

Reg#: ZN500395

Breed: Portuguese Water Dog

ID#: LUJ 1Z

Sex: Male

Date of Birth: July 27, 2012

Owner(s):

Michelle Hardman



*Susan Peas Kelling*  
OptiGen Authorized Signature

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

**Test Results:** Genotype of your dog is CARRIER.

**Risk for developing PRA:** This dog will never develop the prcd form of PRA (progressive rod-cone degeneration form of Progressive Retinal Atrophy). So far, the only inherited PRA disease known in dogs of your breed is the prcd form of PRA.

**Significance for breeding:** Carrier dogs should be bred only to a mate of Normal/Clear genotype to avoid producing pups affected with the prcd form of PRA.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the prcd form of PRA in Portuguese Water Dogs 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.ofa.org](http://www.ofa.org)

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Signature of owner or authorized representative: \_\_\_\_\_

**Cornell Business & Technology Park**

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767 Warren Road, Suite 300, Ithaca, NY 14850

email: [genetest@optigen.com](mailto:genetest@optigen.com)

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

**Test Report**

Michelle Hardman  
184 Hidden Spring Close NW  
Calgary, Alberta T3A 5J4  
Canada

Optigen Accession #: 14-9359  
Report issued for: Splash

**OptiGen Test Certificate****Optigen Accession #: 14-9359****Test Completed: 10/17/2014  
Report Issued: 10/17/2014****Test Performed: Improper Coat Test****Result: Normal  
Sample Type: Swab****Registered Name: Ch. Armada's Let It Rain****Reg#: ZN500395****Breed: Portuguese Water Dog****ID#: LUJ 1Z****Sex: Male****Date of Birth: July 27, 2012****Owner(s):****Michelle Hardman**

*Susan Peaslee*  
OptiGen Authorized Signature

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

Test Results: Genotype of your dog is Normal for Improper Coat (IC)

Risk for having IC. This dog will never exhibit the Improper Coat that is detected by the IC13 DNA test. So far, this test is able to detect the only identified form of IC in the breed and is responsible for at least 95% of the IC cases. It is important to remember, however, that other infrequent genes also may determine IC and that this test is only reliable as a test for the presence or absence of this particular mutation.

Significance for breeding: Genetically Normal dogs can be bred to any dog and will produce no pups affected with the IC13 form of Improper Coat.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the IC13 form of Improper Coat in Portuguese Water Dogs as of the date on this report.

For further information, please consult the OptiGen website at [www.optigen.com](http://www.optigen.com)

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Signature of owner or authorized representative: \_\_\_\_\_

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