

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

05/15/2026
date of report

RESULTS:

Normal cardiovascular examination via auscultation - No evidence of congenital or acquired heart disease was noted. Since acquired heart disease may develop later, these evaluation results remain valid for one year, and annual examinations are recommended to continue to monitor cardiac health.

WS72775603
registration no.

F
sex

05/03/2021
date of birth

60
age at evaluation in months



A Not-For-Profit Organization

BMD-BCA1981/60F/C-VPI
O.F.A. NUMBER

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

NORMAL/CLEAR - CARDIOLOGIST

owner
REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

OFA eCert



Verify QR scan

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

This electronic OFA certificate was generated on: 05/15/2026

This certification can be verified on the OFA website by entering the animal's registration number into the orange search box located at the top of the page or by scanning the QR code above.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

Orthopedic Foundation for Animals, Inc.
2300 E. Nifong Blvd.
Columbia, MO 65201-3806

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

05/20/2025
date of report

RESULTS:

Based upon the exam dated 05/09/2025, 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.

WS72775603
registration no.

F
sex

05/03/2021
date of birth

48
age at evaluation in months



A Not-For-Profit Organization

BMD-EYE4859/48F-VPI
O.F.A. NUMBER

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NORMAL

owner
REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

OFA eCert



Verify QR scan

G.G. Keller, DVM

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

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This electronic OFA certificate was generated on: 05/20/2025

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ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

03/11/2024
date of report

RESULTS:

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

WS72775603
registration no.

F
sex

05/03/2021
date of birth

34
age at evaluation in months



A Not-For-Profit Organization

BMD-EL17236F34-C-VPI
O.F.A. NUMBER

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NORMAL

owner REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

OFA eCert



Verify QR scan

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

www.ofa.org

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ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

03/11/2024
date of report

RESULTS:

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

WS72775603
registration no.

F
sex

05/03/2021
date of birth

34
age at evaluation in months



A Not-For-Profit Organization

BMD-27306G34F-C-VPI
O.F.A. NUMBER

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GOOD

owner REUBEN TROYER
63436 CR 70
SUGARCREEK OH 44681

OFA eCert



Verify QR scan

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

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Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #:

426482

OWNER'S NAME: REUBEN HERSHBERGER
PET'S NAME*: IZZY
PET'S REGISTRATION #: WS72775603
PET'S BREED: BERNESE MOUNTAIN DOG
DATE TESTED: 9/19/2023

TEST	RESULT**	TEST RESULT EXPLANATION***
SOD1B Degenerative Myelopathy (SOD1B)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop degenerative myelopathy due to this mutation.

*GenSol warrants its test results to be accurate for the sample obtained from the above pet. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL 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.

**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.

***For detailed result explanation visit www.gensoldx.com. Please consult a licensed veterinarian to discuss the implications.

125 North Main Street Unit 1846, Clayton, GA 30525
1-844-369-3686 - info@Gensoldx.com - www.gensoldx.com

FAST - ACCURATE - AFFORDABLE

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

06/23/2025
date of report

RESULTS:

DEGENERATIVE MYELOPATHY (DM): N/N, TWO NORMAL COPIES OF THE GENE ASSOCIATED WITH DM SUSCEPTIBILITY

These results are based on the EMBARK laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner
REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

WS72775603
registration no.

F
sex

05/03/2021
date of birth

10
age at evaluation in months



A Not-For-Profit Organization

BMD-DM3636/10F-PI
O.F.A. NUMBER

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G.G. Keller DVM

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CHIEF OF VETERINARY SERVICES

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TROYLAND ACRES IZZY
registered name

BERNESE MOUNTAIN DOG
breed

426482
film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

06/23/2025
date of report

RESULTS:

Degenerative Myelopathy B (DMB): Clear/Normal for the SOD1B Mutation

These results are based on the GENSOL DIAGNOSTICS laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner
REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

WS72775603
registration no.

F
sex

05/03/2021
date of birth

28
age at evaluation in months



A Not-For-Profit Organization

BMD-DMB492/28F-PI
O.F.A. NUMBER

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OFA eCert



Verify QR scan

G.G. Keller DVM

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CHIEF OF VETERINARY SERVICES

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breed

film/test/lab #

991003000975959
tattoo/microchip/DNA profile

2530163
application number

06/23/2025
date of report

RESULTS:

VON WILLEBRAND'S (VWD): N/N CLEAR

These results are based on the EMBARK laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner
REUBEN TROYER
3436 CR 70
SUGARCREEK OH 44681

OFA eCert



Verify QR scan

WS72775603
registration no.

F
sex

05/03/2021
date of birth

10
age at evaluation in months



A Not-For-Profit Organization

BMD-VW1686/10F-PI
O.F.A. NUMBER

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G.G. Keller DVM

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BREED ANCESTRY

 **Bernese Mountain Dog : 100.0%**

GENETIC STATS

Predicted adult weight: **82 lbs**

TEST DETAILS

Kit number: EM-12805762

Swab number: 31210152217374

BREED-RELEVANT RESULTS

Research studies indicate that these results are more relevant to dogs like Izzy, and may influence her chances of developing certain health conditions.

- | |
|--|
| <div data-bbox="110 495 151 533"></div> <div data-bbox="162 495 584 533">Degenerative Myelopathy, DM (SOD1A)</div> <div data-bbox="1450 495 1524 533">Clear</div> |
| <div data-bbox="110 552 151 590"></div> <div data-bbox="162 552 691 590">Von Willebrand Disease Type I, Type I vWD (VWF)</div> <div data-bbox="1450 552 1524 590">Clear</div> |

INBREEDING AND DIVERSITY

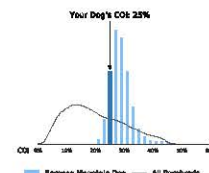
CATEGORY

RESULT

Coefficient Of Inbreeding

Our genetic COI measures the proportion of your dog's genome where the genes on the mother's side are identical by descent to those on the father's side.

25%

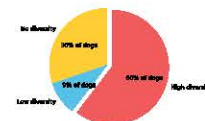


MHC Class II - DLA DRB1

A Dog Leukocyte Antigen (DLA) gene, DRB1 encodes a major histocompatibility complex (MHC) protein involved in the immune response. Some studies have shown associations between certain DRB1 haplotypes and autoimmune diseases such as Addison's disease (hypoadrenocorticism) in certain dog breeds, but these findings have yet to be scientifically validated.

High Diversity

How common is this amount of diversity in purebreds:



MHC Class II - DLA DQA1 and DQB1

DQA1 and DQB1 are two tightly linked DLA genes that code for MHC proteins involved in the immune response. A number of studies have shown correlations of DQA-DQB1 haplotypes and certain autoimmune diseases; however, these have not yet been scientifically validated.

High Diversity

How common is this amount of diversity in purebreds:

