UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

PKD1 AND PERSIAN DERIVED PRA TEST REPORT

Provided Information:	***Case:*** **CAT150152**
Name: **OKINANEKO' TWISTED WHISKER**	***Date Received:*** 24-Jun-2024
Registration: **Litter #255865**	***Report Issue Date:*** 24-Oct-2024
	Report ID: 0572-6339-5836-9064
	Verify report at vgl.ucdavis.edu/verify

DOB: **03/26/2024** *Sex:* **Female** *Breed:* **Maine Coon** *Color:* **Black/Brown Classic**

Sire: SARAJEN THEODORE FUZZYWIGG	*Dam:* OKINANEKO' PEPER HAROW
Reg: MCO21HMX1-115424	*Reg:* MCO25EJX2-113825
Microchip:	*Microchip:*

RESULT		INTERPRETATION
PKD1	**N/N**	Normal - Does not possess the disease-causing PKD1 gene.
PRA-pd		Not Requested

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

PKD1 AND PERSIAN DERIVED PRA TEST REPORT

Client/Owner/Agent Information:	*Case:* **CAT150152**
GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	***Date Received:*** 24-Jun-2024 ***Report Issue Date:*** 24-Oct-2024 ***Report ID:*** 0572-6339-5836-9064 Verify report at vgl.ucdavis.edu/verify

Name: **OKINANEKO' TWISTED WHISKER**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on PKD1 and PRA-pd test results, please visit our website at:
vgl.ucdavis.edu/test/pkd1-cat
vgl.ucdavis.edu/test/pra-pd

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY

DNA ANALYSIS CERTIFICATE

OKINANEKO' TWISTED WHISKER

Breed: Maine Coon
Sex: Female
Color: Black/Brown Classic
DOB: 03/26/2024
Reg: Litter #255865
Alt. ID:

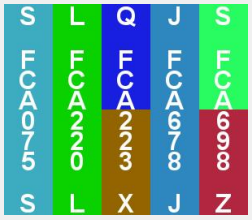
Case: CAT150152
Print Date: October 24, 2024
Report ID: 0572-6339-5836-9064

PKD1 Result

N/N

Does not possess the disease-causing PKD1 gene.

Identity Panel



Veterinary Genetics Laboratory
One Shields Avenue, Davis, CA 95616
530-752-2211
www.vgl.ucdavis.edu

GREG STAPLES
1014 SNIDER'S BAY ROAD
GRAVENHURST ONTARIO P1P 1R2
CANADA

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

PK DEFICIENCY TEST REPORT

Provided Information:	***Case:*** **CAT150152**
Name: **OKINANEKO' TWISTED WHISKER**	***Date Received:*** 24-Jun-2024
Registration: **Litter #255865**	***Report Issue Date:*** 01-Jul-2024
	Report ID: 0864-6596-3786-4128
	Verify report at vgl.ucdavis.edu/verify

DOB: **03/26/2024** *Sex:* **Female** *Breed:* **Maine Coon** *Color:* **Black/Brown Classic**

Sire: SARAJEN THEODORE FUZZYWIGG	*Dam:* OKINANEKO' PEPER HAROW
Reg: MCO21HMX1-115424	*Reg:* MCO25EJX2-113825
Microchip:	*Microchip:*

PYRUVATE KINASE DEFICIENCY RESULT

N/K

Interpretation

N/N	No copies of PK deficiency, cat is normal
N/K	1 copy of PK deficiency, cat is normal but is a carrier
K/K	2 copies of PK deficiency, cat is or will be affected. Severity of symptoms cannot be predicted*

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

PK DEFICIENCY TEST REPORT

Client/Owner/Agent Information:	*Case:* **CAT150152**
GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	***Date Received:*** 24-Jun-2024 ***Report Issue Date:*** 01-Jul-2024 ***Report ID:*** 0864-6596-3786-4128 Verify report at vgl.ucdavis.edu/verify

Name: **OKINANEKO' TWISTED WHISKER**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on PK Deficiency test results, please visit our website at:
vgl.ucdavis.edu/test/pk-deficiency-cat

Erythrocyte Pyruvate Kinase Deficiency (PK deficiency) is an inherited, autosomal recessive, hemolytic anemia. Breedings between carriers will be expected to produce 25% affected kittens. Go to our website for a list of breeds at risk of PK deficiency due to a significant frequency of the mutation.

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

Provided Information:	***Case:*** **CAT150152**
Name: **OKINANEKO' TWISTED WHISKER**	***Date Received:*** 24-Jun-2024
Registration: **Litter #255865**	***Report Issue Date:*** 24-Oct-2024
	Report ID: 5446-7444-7239-9033
	Verify report at vgl.ucdavis.edu/verify

DOB: **03/26/2024** *Sex:* **Female** *Breed:* **Maine Coon** *Color:* **Black/Brown Classic**

Sire: SARAJEN THEODORE FUZZYWIGG	*Dam:* OKINANEKO' PEPER HAROW
Reg: MCO21HMX1-115424	*Reg:* MCO25EJX2-113825
Microchip:	*Microchip:*

Maine Coon HCM Result

N/N

Interpretation

N/N	Normal.
N/HCMmc	One copy of the A31P mutation is present. Cat is 1.8 times more likely to develop HCM than cats without the mutation.
HCMmc/HCMmc	Two copies of the A31P mutation are present. Cat is 18 times more likely to develop HCM than cats without the mutation.

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST REPORT

Client/Owner/Agent Information:	*Case:* **CAT150152**
GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	***Date Received:*** 24-Jun-2024 ***Report Issue Date:*** 24-Oct-2024 ***Report ID:*** 5446-7444-7239-9033 Verify report at vgl.ucdavis.edu/verify

Name: **OKINANEKO' TWISTED WHISKER**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Maine Coon HCM test results, please visit our website at:
vgl.ucdavis.edu/test/maine-coon-hcm

The MHCM test only detects the A31P mutation associated with HCM in Maine Coon cats and outcrosses as described by Meurs et al. 2005. The A31P mutation is not the sole cause of HCM in Maine Coons. The other causes are not known at this time.

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

Provided Information:	***Case:*** **CAT150152**
Name: **OKINANEKO' TWISTED WHISKER**	***Date Received:*** 24-Jun-2024
Registration: **Litter #255865**	***Report Issue Date:*** 24-Oct-2024
	Report ID: 2726-9368-8774-1080
	Verify report at vgl.ucdavis.edu/verify

DOB: **03/26/2024** *Sex:* **Female** *Breed:* **Maine Coon** *Color:* **Black/Brown Classic**

Sire: SARAJEN THEODORE FUZZYWIGG	*Dam:* OKINANEKO' PEPER HAROW
Reg: MCO21HMX1-115424	*Reg:* MCO25EJX2-113825
Microchip:	*Microchip:*

SMA Result

N/N

Interpretation

N/N	No copies of SMA are present.
N/S	1 copy of SMA is present. Cat is normal but is a carrier. Breedings between carriers will be expected to produce 25% affected, 50% carriers and 25% normal kittens.
S/S	2 copies of SMA are present, cat is affected.

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

Client/Owner/Agent Information:	*Case:* **CAT150152**
GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	***Date Received:*** 24-Jun-2024 ***Report Issue Date:*** 24-Oct-2024 ***Report ID:*** 2726-9368-8774-1080 Verify report at vgl.ucdavis.edu/verify

Name: **OKINANEKO' TWISTED WHISKER**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on SMA test results, please visit our website at:
vgl.ucdavis.edu/test/maine-coon-sma

The SMA test is specific for the mutation associated with SMA in Maine Coon cats and outcrosses.

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

BLOOD GROUP TEST REPORT

Provided Information:

Name: **OKINANEKO' TWISTED WHISKER**

Registration: **Litter #255865**

Case: **CAT150152**
Date Received: 24-Jun-2024
Report Issue Date: 30-Oct-2024
Report ID: 8954-9748-6917-1102

Verify report at vgl.ucdavis.edu/verify

DOB: **03/26/2024** *Sex:* **Female** *Breed:* **Maine Coon** *Color:* **Black/Brown Classic**

Sire: SARAJEN THEODORE FUZZYWIGG
Reg: MCO21HMX1-115424
Microchip:

Dam: OKINANEKO' PEPER HAROW
Reg: MCO25EJX2-113825
Microchip:

RESULT

Blood Group	**N/N**

INTERPRETATION

No copies of known variants responsible for B or AB blood type detected.

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

BLOOD GROUP TEST REPORT

Client/Owner/Agent Information:	*Case:* **CAT150152**
GREG STAPLES 1014 SNIDER'S BAY ROAD GRAVENHURST ONTARIO P1P 1R2 CANADA	***Date Received:*** 24-Jun-2024 ***Report Issue Date:*** 30-Oct-2024 ***Report ID:*** 8954-9748-6917-1102 Verify report at vgl.ucdavis.edu/verify

Name: **OKINANEKO' TWISTED WHISKER**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Blood Group test results, please visit our website at:
vgl.ucdavis.edu/test/bloodgroup-cat

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

Feline AB Blood Group

The feline AB blood group test is designed to detect specific genetic variants that result in blood types B (genetic variants b1, b2 and b3) and AB (genetic variant c). The absence of those variants is reported as N.

In most cases, the N allele corresponds to the common, unchanged gene that results in blood type A. However, occasionally, one or both N alleles may correspond to a rare and yet unknown AB and/or B type allele. Since these are unknown, there is no way to test for them.

The table below shows the resulting blood type for each possible genotype reported.

Genotype	Blood type
N/N	Most likely blood type A*
N/c	Most likely blood type A*(carrier of type AB)
N/b1	Most likely blood type A* (carrier of type B)
N/b2	Most likely blood type A* (carrier of type B)
N/b3	Most likely blood type A* (carrier of type B)
c/c	Blood type AB
c/b1	Blood type AB (carrier of type B)
c/b2	Blood type AB (carrier of type B)
c/b3	Blood type AB (carrier of type B)
b1/b1	Blood type B
b1/b2	Blood type B
b1/b3	Blood type B
b2/b3	Blood type B

For more detailed information about the feline AB Blood Group test, please visit our website at https://vgl.ucdavis.edu/test/bloodgroup-cat

Copyright © (2024) The Regents of the University of California, Davis campus. Not for reproduction without consent. Provided for educational purposes only. Not for resale.