Orivet
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Genetic Summary Report

Animal Name: Mercury

Owner:
Sara Pearce
Membership Number : Not assigned
Member Body/Breed Club: Not assigned

Approved Collection Method: No

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Genetic Summary Report

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Owner's details

Name:	Sara Pearce

Animal's Details

Registered Name :	Wildblue Crazy 'Bout A Mercury
Pet Name :	Mercury
Registration Number :	SS38012401
Breed: :	Labrador Retriever
Microchip Number :	956000014707057
Sex: :	Intact Male
Date of Birth :	5th Oct 2022
Colour :	Black

Sample Collection Details

Case Number :	25A168856
Collected By :	
Approved Collection :	No
Sample Type :	SWAB

Test Details

Test Requested :	UK Labrador Retriever National Breed Council – Full Breed Profile (NLRBC Recommended)
Pet Name :	Mercury
Date of Test :	20th Aug 2025

Authorisation

Sample with Lab ID Number 25A168856 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

.....

Orivet Genetic Analyst

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Health Tests Reported

Breed Sense	Diseases	Result
✓	Centronuclear Myopathy (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Exercise Induced Collapse (Retriever Type)	CARRIER (P/N) - [ONE COPY OF THE VARIANT DETECTED]
✓	Hereditary Nasal Parakeratosis/Dry Nose (Labrador Retriever Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Macular Corneal Dystrophy (Labrador Type)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Progressive Rod Cone Degeneration (prcd) - PRA	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Skeletal Dysplasia 2 (Mild Disproportionate Dwarfism)	NORMAL (N/N) - [NO VARIANT DETECTED]
✓	Stargardt Disease (Retinal Degeneration)	NORMAL (N/N) - [NO VARIANT DETECTED]

Owner's Name : Sara Pearce

Pet Name : Mercury

Microchip Number 956000014707057

Approved Collection Method : No

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Health Tests Reported

Breed Sense	Traits	Result
✓	A Locus (Agouti)	a^t/a^t - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]
✓	Brown Deletion = Bd	B^d/B^d - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [DELETION]
✓	Brown Insertion = Bc	B^c/B^c - DOES NOT CARRY BROWN/RED/LIVER or CHOCOLATE [INSERTION]
✓	Brown Stop Codon = Bs	B^s/b^s - CARRIER OF BROWN/LIVER/RED/CHOCOLATE [STOP CODON]
✓	D (Dilute) Locus	D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT IS NORMAL
✓	E Locus - (Cream/Red/Yellow)	E/e - BLACK CARRIES EXTENSION [YELLOW/WHITE/APRICOT/RUBY/RED]
✓	K Locus (Dominant Black)	K/K - DOMINANT BLACK - SOLID [WILL NOT BE BRINDLED or EXPRESS AGOUTI]
✓	Long Hair Gene - L1 (Canine C95F)	NEGATIVE - NO COPIES, NOT SHOWING THE PHENOTYPE
✓	Sex Determination - ZFXY	DOG IS MALE

Owner's Name : Sara Pearce **Pet Name :** Mercury

Microchip Number 956000014707057 **Approved Collection Method :** No

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Glossary of Genetic Terms (Results)

CLARIFICATION OF GENETIC TESTING

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health.However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health.However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene

2) It is possible that there exists more than one disease that presents in a similar fashion and segregates in a single breed. These conditions –although phenotypically similar – may be caused by separate mutations and/or genes.

3) It is possible that the disease affecting your breed may be what Geneticists call an "oligogenic disease". This is a term to describe the existence of additional genes that may modify the action of a dominant gene associated with a disease. These modifier genes may for example give rise to a variable age of onset for a particular condition, or affect the penetrance of a particular mutation such that some animals may never develop the condition.

The range of hereditary diseases continues to increase and we see some that are relatively benign and others that can cause severe and/or fatal disease. Diagnosis of any disease should be based on pedigree history, clinical signs, history (incidence) of the disease and the specific genetic test for the disease. Penetrance of a disease will always vary not only from breed to breed but within a breed, and will vary with different diseases. Factors that influence penetrance are genetics, nutrition and environment. Although genetic testing should be a priority for breeders, we strongly recommend that temperament and phenotype also be considered when breeding.

Orivet Genetic Pet Care aims to frequently update breeders with the latest research from the scientific literature. If breeders have any questions regarding a particular condition, please contact us on (03) 9534 1544 or admin@orivet.com and we will be happy to work with you to answer any relevant questions.

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