

Canine Test Results

: 31-May-2018

Dog Name	Breed	Slocus	CEA	DM	MDR1	vWD3
Foula's Mystery of the Dark (Izmoo)	Shetland Sheepdog	N/S	n/n	n/DM	MDR/n	n/n

Result Guide:

Slocus

N/N	Negative: Dog is negative for the spotting or parti-color gene.
S/S	Dog has two copies of the spotting or parti-color gene, and will always pass on one copy to all offspring.
N/S	Dog carries one copy of the spotting or parti-color gene, and can pass it on to any offspring.

CEA

n/n	Clear: Dog tested negative for the Collie Eye Anomaly mutation.
CEA/CEA	Affected: Dog carries two copies of the Collie Eye Anomaly mutation, and will be affected by the disorder. The dog will always pass on a copy of the CEA mutation to any offspring.
n/CEA	Carrier: Dog carries one copy of the Collie Eye Anomaly mutation, and could pass the mutation on to any offspring.

DM

n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
DM/DM	At Risk: Dog has a significantly higher risk of developing DM, and will always pass on a copy of the mutation to its offspring.
n/DM	Carrier: Dog carries one copy of the mutation associated with Degenerative Myelopathy, and could pass on the mutation to any offspring.

vWD3

n/n	Clear: Dog tested negative for the von Willebrands type 3 mutation.
vWD3/vWD3	Affected: Dog carries two copies of the von Willebrands type 3 mutation, and will be affected by the disorder. The dog will always pass on a copy of the mutation to any offspring.
n/vWD3	Carrier: Dog carries one copy of the von Willebrands type 3 mutation, and could pass the mutation on to any offspring.

MDR1

MDR/MDR	Af- fected	The dog carries two copies of the mutant gene and is homozygous for the MDR1 mutation. The dog will react to Ivermectin, or other listed drugs, and will always pass a copy of the mutated gene to its offspring.
MDR/n	Carrier	Both the normal and mutant copies of the gene detected. Dog is a carrier for the MDR1 mutation, and can pass on a copy of the defective gene to its offspring 50% Of the time.
n/n	Clear	Dog tested negative for the MDR gene mutation, and will not pass on the defective gene to its offspring.

