

## Canine Genetic Testing Report



Submitted By

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**Subject Dog** 00370806

Date Received: 5/6/2022

Dog Name: **Oscar**  
Breed: **Miniature Poodle**  
Phenotype: **Merle Tri**

Registration:  
Microchip: **991003000988364**  
Sex: **Male** Birth:

Sire	Dam
Sire Name: Breed: Registration: Phenotype:	Dam Name: Breed: Registration: Phenotype:

Coat Color Testing			
<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
<input checked="" type="checkbox"/>	A Locus-Aw	n/n	Negative for wild-sable.
<input checked="" type="checkbox"/>	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.
<input checked="" type="checkbox"/>	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.
<input checked="" type="checkbox"/>	B Locus	B/b	Dog carries a copy of the allele responsible for brown color and can potentially pass on that allele to future offspring.
	Cocoa		Not Tested
<input checked="" type="checkbox"/>	D Locus	D/d	Dog carries the dilution gene, but will appear full color.
<input checked="" type="checkbox"/>	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.
<input checked="" type="checkbox"/>	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
<input checked="" type="checkbox"/>	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
	Harlequin		Not Tested
	Merle		Not Tested

Coat Type Testing			
<input checked="" type="checkbox"/>	Hair Length	I/I	Long Hair: Dog has two copies of the long hair allele.
<input checked="" type="checkbox"/>	Hair Curl	C/C	Curly Coat: Dog has two copies of the coat curl mutation, and will always pass it on to any offspring.
<input checked="" type="checkbox"/>	Furnishings	F/F	Dog has 2 copies of the Furnishings mutation, and will always produce offspring with Furnishings
<input checked="" type="checkbox"/>	Shedding	n/SD	Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Genetic Disorders			
<input checked="" type="checkbox"/>	CDDY	N/C	Dog has 1 copy of CDDY. Dog is at higher risk for IVDD.
<input checked="" type="checkbox"/>	CDPA	N/N	Dog is negative for the CDPA mutation.
<input checked="" type="checkbox"/>	DM	n/n	Clear: Dog is negative for the SOD1A Degenerative Myelopathy mutation.
<input checked="" type="checkbox"/>	NEwS	n/n	Clear: Dog tested negative for the NEwS mutation.
<input checked="" type="checkbox"/>	prcd-PRA	n/n	Clear: Dog is negative for the causal prcd-PRA c.5G>A mutation.
<input checked="" type="checkbox"/>	vWD1	n/n	Clear: Dog tested negative for the von Willebrand's Type I mutation.

Genetic Marker Results							Run Date:
-	-	-	-	-	-	-	Not Tested
AHT121	AHT137	AHT171	AHT260	AHT211	AHT253	C22-279	
-	-	-	-	-	-	-	
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
-	-	-	-	-			
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

**Additional Comments**

A-Panel: At/At - Homozygous for black-and-tan.  
E-Panel: E/e-Dog has one copy of the recessive yellow allele and does not carry the melanistic mask allele.