

REFERENCE NO.: 2021 - 042622/01

OWNER:
MONIKA CZYPIONKA
ŹRÓDLANA, 17B
PL-42-512 SARNÓW
POLAND

NAME/LABEL:

DEER'S DEN ICE SHAPED SOMBRERO
SPECIES: DOG
BREED: LABRADOR RETRIEVER
SEX: MALE
MICROCHIP NO.: 616093900997540
TATOO NO.: NOT PROVIDED
PEDIGREE NO.: PKR.VIII-40354

GENETIC REPORT

SAMPLE: BLOOD

SAMPLE TAKEN BY: OWNER

REQUESTED TEST: RETINAL DYSPLASIA/OCULOSKELETAL DYSPLASIA (RD/OSD)

RESULT: CLEAR (WT/WT)

COMMENT :

The test examines presence or absence of COL9A3 gene mutation (g.49,699,847insG) described as the cause of Retinal Dysplasia/Oculoskeletal Dysplasia (RD/OSD) in Labrador retriever. The disease is characterized by short-limbed dwarfism and ocular defects.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) - mutation is not present, normal genotype
- Carrier (mut/wt) - one of two alleles carries tested mutations, partial expression of RD/OSD
- Affected (mut/mut) - both alleles carry tested mutations, full expression of RD/OSD

Carrier dogs typically show symptoms of Retinal Dysplasia - partial expression of RD/OSD. Affected dogs show symptoms of dwarfism and ocular defects - full expression of RD/OSD. Heterozygote animals pass the mutation to their siblings therefore mating of two carriers should be avoided, as 25% of puppies will be affected, 50% of puppies will be carriers and 25% of puppies will be clear.

AUTHORIZED SIGNATURE:

MARIBOR, 17.09.2021