



DNA ANALYSIS PROTOCOL FOR DETECTION OF HEREDITARY DISEASES

Protocol No. D1905001495

Customer: YVES AEMMER Sample type: buccal brush Date of sampling: 29.03.2019
75 RUE DE BETSCHDORF RD 344 Date of birth: 16.05.2017 Date of receipt: 13.05.2019
ANCIENNE MF ERZLACH Sex: F Date of analysis: 14.05.2019

The identity of the animal has been verified. Sample collected by vet: GOBIER LUDWIG, veterinary register no: 20978

Breed/Name	Tattoo or RFID id Pedigree number	Laboratory code	Type of analysis	Result
Miniature American Shepherd / NEW GAME DU BOIS DES TERNES	250269606911137	190513/T0813	MDR1	N/N (+/+) Non-affected
	1369/342			

The results of analysis are stored in a database under the lab code 190513/T0813.

Hints:

MDR1-Multidrug resistance gene - nt230(del4), (autosomal recessive)

MDR1 +/+ or N/N (non-affected): Both genes, inherited from both mother and father are undamaged (healthy).

MDR1 +/- or N/P (carrier): Subjects with confirmed heterozygous genotype are carriers. Defective gene can be transmitted to offspring. Unwanted side effects are unlikely to occur but cannot be excluded.

MDR1 -/- or P/P (affected): Particular caution is necessary in case an individual is diagnosed MDR1 -/- genotype. Treatment with certain drugs in this case can cause significant problems in some cases lethal neurotoxic reaction.

Notice: Notice: This protocol applies exclusively to the sample and the data that were supplied by the submitter. DNA analysis concerns only the above-mentioned disease. No information regarding the customer as well as the purpose and results of the analysis will be provided to third parties.

In Bratislava 17.05.2019

Ing. Marcela Bielíková, PhD.