

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

Sample:

Sample: 08-12346

Date received: 01.01.2008

Sample type: buccal swab

Information provided by the customer

Name: Madame Théophile DEMO

Breed: Persian cat

Date of birth: 31.12.1909

Reg. number: (CZ)ABCD EF 123/45/XYZ

Microchip: 123456789012345

Sex: female

Date of sampling: 01.01.2008

The identity of the animal has been checked.

Result: W/N

Explanation

Presence or absence of insertion FERV1 in KIT gene causing dominant white and white spotting in cats was tested. A full insertion of FERV1 results in white spotting (allele w^S) while a partial retroviral insertion results in complete loss of pigment and dominant white (W). FERV1 insertion causes varying degrees of hearing impairment and iris hypopigmentation. Variant W is inherited autosomally dominant, if a offspring inherits this variant, white phenotypic expression occurs.

Results:

- N/N – no copy of the dominant white or white spotting; coat is fully pigmented
- W/W – 2 copies of the dominant white; cat is white
- W/N – 1 copy dominant white; cat is white
- W/w^S – 1 copy of dominant white and 1 copy of white spotting; cat is white
- w^S/w^S – 2 copies of white spotting; coat is white spotted with variable distribution of white areas on the body
- w^S/N – 1 copy of white spotting, coat is white spotted with variable distribution of white areas on the body

Method: SOP176-locW, ASA-PCR

Date of issue: 06.01.2008

Date of testing: 12.06.2008 - 06.01.2008

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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