



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

PKD1 AND IDENTITY MARKER REPORT

JULIE FERNANDES
679 SIDCUP ROAD
NEW ELTHAM, LONDON
UNITED KINGDOM

Case: CAT5192
Date Received: 06-Dec-2005
Report Date: 09-Dec-2005

Name: TRACEYLOOE CLOUD NINE
Reg: CS536918

YOB: 02 **Breed:** HI **Sex:** M

Microchip: 968000001213697

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected - Heterozygous for the PKD1 gene (1 copy of the PKD gene). Cat has or will develop PKD.
N/N = Normal - Does not possess the disease-causing PKD1 gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/P) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. There are no observed homozygous affected (P/P), which suggests that the mutation is embryonic lethal.

The test indicates the presence or absence of the stop mutation in the feline PKD1 gene caused by a cytosine to adenine transversion. This mutation causes feline polycystic kidney disease (PKD), which is characterized by renal, hepatic and pancreatic cysts. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

IDENTITY MARKERS

FCA069: L/O
FCA075: P/S
FCA220: K

FCA229: P
FCA105: Q/U
FCA441: K/O



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 679 SIDCUP ROAD
 NEW ELTHAM, LONDON
 UNITED KINGDOM

Case: CAT5193
Date Received: 06-Dec-2005
Report Date: 09-Dec-2005

Name: PORTIA ALL THAT JAZZ

YOB: 05 **Breed:** HI **Sex:** F

Reg:

Microchip:

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected - Heterozygous for the PKD1 gene (1 copy of the PKD gene). Cat has or will develop PKD.

N/N = Normal - Does not possess the disease-causing PKD1 gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/P) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. There are no observed homozygous affected (P/P), which suggests that the mutation is embryonic lethal.

The test indicates the presence or absence of the stop mutation in the feline PKD1 gene caused by a cytosine to adenine transversion. This mutation causes feline polycystic kidney disease (PKD), which is characterized by renal, hepatic and pancreatic cysts. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

IDENTITY MARKERS

FCA069: N
FCA075: S/T
FCA220: K

FCA229: P
FCA105: R/S
FCA441: K/M