



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

SHERRY KERN
 111 CAYWOOD SOUTH
 LUMBERTON, TX 77657

Case: CAT8017
Date Received: 31-Aug-2006
Report Date: 05-Sep-2006

Cat: LE CLUB FUR CHLOE OF KERNEL **Reg:** 3293-1564257
YOB: 05 **Breed:** HI **Sex:** F **Microchip:**

Sire: GC JASEA'S MALLORY MACTEAGUE **Reg:** 3272-1072461
Dam: GC MYSHALIMAR PANDORA OF LE CL **Reg:** 3293-1501329

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

LOCUS	TYPE	LOCUS	TYPE
FCA069	LN	FCA075	RS
FCA220	IL	FCA229	P
FCA105	S	FCA441	O