



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:** CAT8016  
**Date Received:** 31-Aug-2006  
**Report Date:** 05-Sep-2006

**Cat:** BAYOU MOON CHELSEA OF KERNEL **Reg:** 1153-1563593  
**YOB:** 06 **Breed:** PE **Sex:** F **Microchip:**

**Sire:** GC BAYOU MOON'S BOUDREAUX **Reg:** 0144-1419092  
**Dam:** GC BAYOU MOON MARIE LEVEAU **Reg:** 0147-1486880

### 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	S
FCA220	K	FCA229	P
FCA105	RS	FCA441	KM