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## PKD1 AND IDENTITY MARKER REPORT

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**Case:** CAT3641  
**Date Received:** 10-Aug-2005  
**Report Date:** 15-Aug-2005

**Name:** BASICS

**YOB:** 01 **Breed:** PE **Sex:** M

**Reg:** 3272-1390999

**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:** L/N  
**FCA075:** S  
**FCA220:** I/M

**FCA229:** P  
**FCA105:** S/T  
**FCA441:** K/O