UNIVERSITY OF CALIFORNIA, DAVIS

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# PK DEFICIENCY AND IDENTITY MARKER REPORT

EVA WOBST
PROF. OBERDORF SIEDLUNG 1
06406 BERNBURG
GERMANY

*Case:* **CAT63716**
*Date Received:* 17-Mar-2014
*Print Date:* 18-Mar-2014
*Report ID:* 4137-8698-0177-7042
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

*Cat:* **MAINSTREET HOT CARRENA** *Reg:* **SBT 021813011**

*DOB:* **02/18/2013** *Sex:* **Female** *Breed:* **Bengal** *Microchip:*

## PYRUVATE KINASE DEFICIENCY TEST RESULT

**N/N**

***Result Codes:***

| | |
|---|---|
| N/N | no copies of PK deficiency, cat is normal |
| N/K | 1 copy of PK deficiency, cat is normal but is a carrier |
| K/K | 2 copies of PK deficiency, cat is or will be affected. Severity of symptoms cannot be predicted* |

Erythrocyte Pyruvate Kinase Deficiency (PK deficiency) is an inherited, autosomal recessive, hemolytic anemia. Breedings between carriers will be expected to produce 25% affected kittens. Go to our website for a list of breeds at risk of PK deficiency due to a significant frequency of the mutation: www.vgl.ucdavis.edu/services/pkdeficiency.php

*If your cat is diagnosed as homozygous for PK deficiency, we recommend that you contact your veterinarian for information on disease progression and management.

## IDENTITY MARKERS

| LOCUS | TYPE |
|---|---|
| *FCA075* | P |
| *FCA223* | JM |
| *FCA698* | U |

| LOCUS | TYPE |
|---|---|
| *FCA220* | J1/L |
| *FCA678* | M |