



VETERINARY GENETICS LABORATORY  
 SCHOOL OF VETERINARY MEDICINE  
 ONE SHIELDS AVENUE  
 DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
 FAX: (530) 752-3556

**PK DEFICIENCY AND IDENTITY MARKER REPORT**

|   |  |
|---|--|
| TERESA SWEENEY<br>2461 BIRCH BARK TRAIL<br>GROVE CITY, OH 43123   | <b>Case:</b> <b>CAT105489</b><br><b>Date Received:</b> 07-May-2018<br><b>Print Date:</b> 09-May-2018<br><b>Report ID:</b> 0044-4509-2637-8120<br>Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a> |
| <b>Cat:</b> <b>SARAJEN UNO BLANCO OF HIGHLANDER</b><br>DOB: 12/11/2017 Sex: Male Breed: Maine Coon Color: red classic tabby and white | <b>Reg:</b>  |
| Sire: IW LA SARAJEN EZRA BOOKS<br>Dam: SARAJEN KENTUCKY COUSIN  | <b>Reg:</b><br><b>Reg:</b>   |

**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.

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

**For more information on PK Deficiency test results, please go to:**  
[www.vgl.ucdavis.edu/services/pkdeficiency.php](http://www.vgl.ucdavis.edu/services/pkdeficiency.php)

**IDENTITY MARKERS**

| <u>LOCUS</u> | <u>TYPE</u> | <u>LOCUS</u> | <u>TYPE</u> |
|--------------|-------------|--------------|-------------|
| FCA075       | S           | FCA220       | L           |
| FCA223       | TW          | FCA678       | MN          |
| FCA698       | TZ          |              |             |