



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

KELLY GREEN 6 EDWARD STREET HESSLE, EAST YORKSHIRE HU13 9ND UNITED KINGDOM	Case: CAT41735 Date Received: 07-Nov-2011 Report Date: 10-Nov-2011 Report ID: 9924-7721-6877-3031
Cat: KELSAR THE WHITE ONE DOB: 08/10/2009 Breed: BG Sex: M Microchip:	Reg: sbt 081009 064
Sire: GRC PUREBLISS GIGGEO KELSAR Dam: SPOTTICATZ CAYENNE	Reg: sbt 080807 059 Reg: sbt 110106 043

PYRUVATE KINASE DEFICIENCY TEST RESULT

N/K

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 hemolytic anemia that occurs in Abyssinian, Somali and some domestic shorthair cats. This condition is inherited as an autosomal recessive. Breedings between carriers will be expected to produce 25% affected kittens.

*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	LOCUS	TYPE
<i>FCA069</i>	LN	<i>FCA075</i>	OP
<i>FCA220</i>	L	<i>FCA229</i>	NP
<i>FCA678</i>	MN	<i>FCA698</i>	c



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KELLY GREEN 6 EDWARD STREET HESSLE, EAST YORKSHIRE HU13 9ND UNITED KINGDOM	Case: CAT41736 Date Received: 07-Nov-2011 Report Date: 10-Nov-2011 Report ID: 9265-4775-5595-7071
Cat: PUREBLISS HOT LIKE ME OF KELSAR DOB: 10/01/2009 Breed: BG Sex: F Microchip:	Reg: sbt 100109 062
Sire: GRC DAZZLEDOTS BOBBYDAZZLER Dam: AZANABENGALS JUNGLE JADE	Reg: sbt 022807 045 Reg: sbt 091506 045

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*

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IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	MN	FCA075	P
FCA220	M	FCA229	NP
FCA678	N	FCA698	Uc



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KELLY GREEN 6 EDWARD STREET HESSLE, EAST YORKSHIRE HU13 9ND UNITED KINGDOM	Case: CAT41737 Date Received: 07-Nov-2011 Report Date: 10-Nov-2011 Report ID: 6536-3709-8420-9160
Cat: HALLMARK MISCHIEF OF KELSAR DOB: 03/05/2008 Breed: BG Sex: F Microchip:	Reg: sbt 030508 036
Sire: SILVERGENE SILVER STORM OF HALLMARK Dam: SILVERSAFARI GLITZYCHICK	Reg: sbt 050903 032 Reg: sbt 112106 028

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*

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IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	LQ	FCA075	PR
FCA220	L	FCA229	NO
FCA678	JK	FCA698	UZ



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KELLY GREEN 6 EDWARD STREET HESSLE, EAST YORKSHIRE HU13 9ND UNITED KINGDOM	Case: CAT41738 Date Received: 07-Nov-2011 Report Date: 10-Nov-2011 Report ID: 3059-1563-7459-9031
Cat: KELSAR SANTAS COMNG DOB: 08/30/2009 Breed: BG Sex: M Microchip:	Reg: sbt 083009 029
Sire: BLISSNMORE NIGHTFEVER OF KELSAR Dam: CH WILDSIDEBENGALS PLAYGIRL	Reg: sbt 062808 005 Reg: sbt 020908 003

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*

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IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	LN	FCA075	P
FCA220	J1 /L	FCA229	N
FCA678	KN	FCA698	UV



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KELLY GREEN 6 EDWARD STREET HESSLE, EAST YORKSHIRE HU13 9ND UNITED KINGDOM	Case: CAT41739 Date Received: 07-Nov-2011 Report Date: 10-Nov-2011 Report ID: 2146-2009-8125-8064
Cat: KELSAR MEW MEW DOB: 09/13/2009 Breed: BG Sex: F Microchip:	Reg: sbt 091309 003
Sire: BLISSNMORE NIGHTFEVER OF KELSAR Dam: HALLMARK MISCHIEF OF KELSAR	Reg: sbt 062808 005 Reg: sbt 030508 036

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*

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FCA069	LQ	FCA075	P
FCA220	J1 /L	FCA229	N
FCA678	KM	FCA698	VZ