PK DEFICIENCY AND IDENTITY MARKER REPORT

TERESA SWEENEY
2461 BIRCH BARK TRAIL
GROVE CITY, OH 43123

Case: CAT64743
Date Received: 23-Apr-2014

Print Date: 27-Apr-2014
Report ID: 3106-9720-7917-1179
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: PETERBUILT
Sex: Male  Breed: Maine Coon  Microchip: 

DOB: 01/11/2009

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

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

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MAINE COON HCM (HYPERTROPHIC CARDIOMYOPATHY) TEST

TERESA SWEENEY  
2461 BIRCH BARK TRAIL  
GROVE CITY, OH 43123

Case: CAT64743  
Date Received: 23-Apr-2014  
Print Date: 27-Apr-2014  
Report ID: 8241-0173-9551-6042

Cat: PETERBUILT  
Reg:  
DOB: 01/11/2009  Sex: Male  Breed: Maine Coon  Microchip: 

Maine Coon HCM Test Result

N/N

Result Codes:
N/N Normal.
N/HCMmc One copy of the A31P mutation is present. Cat is 1.8 times more likely to develop HCM than cats without the mutation.
HCMmc/HCM Two copies of the A31P mutation are present. Cat is 18 times more likely to develop HCM than cats without the mutation.

This test only detects the A31P mutation associated with HCM in Maine Coon cats and outcrosses as described by Meurs et al. 2005. The A31P mutation is not the sole cause of HCM in Maine Coons. The other causes are not known at this time. For additional information regarding the status of A31P mutation and HCM in Maine Coons, see www.vgl.ucdavis.edu/services/cat/MaineCoonHCM.php

This test is performed under a license agreement with the University of California.
MAINE COON SPINAL MUSCULAR ATROPHY TEST REPORT

TERESA SWEENEY  
2461 BIRCH BARK TRAIL  
GROVE CITY, OH 43123

Case: CAT64743  
Date Received: 23-Apr-2014

Print Date: 27-Apr-2014  
Report ID: 0442-3477-7833-4164

Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Cat: PETERBUILT  
DOB: 01/11/2009  
Sex: Male  
Breed: Maine Coon  
Microchip:

SMA Result

N/N

Result Codes:

N/N  No copies of SMA are present.
N/S  1 copy of SMA is present. Cat is normal but is a carrier. Breedings between carriers will be expected to produce 25% affected, 50% carriers and 25% normal kittens.
S/S  2 copies of SMA are present. cat is affected.

This test is specific for the mutation associated with SMA in Maine Coon cats and outcrosses.