



**Animal DNA**  
LABORATORY

Test Name	<b>Spinal Muscular Atrophy (SMA): Maine Coon</b>
Swab Number	120400
Animal Number	A16887

Owner/Breeder	
Name	Anna Schetinkina
Address	Street Griboedova, House 31 Gorodets Russia NIZEGORODSKAYA OBL. 606500

Name	S*Coppermines Zeus
Sex	Male
Breed	MAINE COON
Registration No. ID (if applicable)	(SE) SVERAK LO 273 447
Microchip No. (if applicable)	752 098 100 543 015

Specimen Type	Buccal Cells
Date Received	18/05/2011
<b>Test Result</b>	<b>SMA deletion: Not found</b>
Interpretation	SMA in Maine Coon is an autosomal recessive disorder caused by a large deletion on chromosome A1.  Other causes of SMA are not detected by this assay. Reference: Fyfe et al. Genome Research 2006:16; 1084

Date of Report: 20 May 2011

Authorised By: 

*NB: There may be rare instances where the animals colour or pattern is due to a change in DNA sequence that has not previously been reported.*

*Economical Animal DNA Testing*

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**Animal DNA**  
LABORATORY

Test Name	<b>Hypertrophic Cardiomyopathy (HCM) - Maine Coon</b>
Swab Number	120401
Animal Number	A16887

Owner/Breeder	
Name	Anna Schetinkina
Address	Street Griboedova, House 31 Gorodets Russia NIZEGORODSKAYA OBL. 606500

Name	S*Coppermines Zeus
Sex	Male
Breed	MAINE COON
Registration No. ID (if applicable)	(SE) SVERAK LO 273 447
Microchip No. (if applicable)	752 098 100 543 015

Specimen Type	Buccal Cells
Date Received	18/05/2011
<b>Test Result</b>	<b>CLEAR</b>
Interpretation	<p>CLEAR = The specific HCM mutation is not present</p> <p>This test identifies the most common mutation currently known to cause HCM in Maine Coon cats. It identifies a mutation in the MYBPC3 gene as described by Meurs et al.</p> <p>If the mutation is not present, it does not mean that the cat will never develop HCM, as other causes are possible. A "clear" result means that the cat's DNA does not contain this specific mutation.</p> <p>Reference : Meurs et al. Human Molecular Genetics 2005, 14, 3587.</p>

Date of Report: 27 May 2011

Authorised By: 

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