



VETERINARY GENETICS LABORATORY
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CEREBELLAR ABIOTROPHY TEST REPORT

PATREA PABST 2966 HARTWELL HWY DEWY ROSE, GA 30634		<i>Case:</i> CBA5781 <i>Date Received:</i> 28-Sep-2010 <i>Report Date:</i> 05-Oct-2010 <i>Report ID:</i> 1236-9835-7597-3075
<i>Name:</i> GR MAATIN <i>YOB:</i> 08 <i>Breed:</i> AR <i>Sex:</i> S <i>Alt. ID:</i>	<i>Reg:</i> 02893659	
<i>Sire:</i> MAHEEB <i>Dam:</i> GR MARIETTA	<i>Reg:</i> GASB 28850 <i>Reg:</i> GASB 24937	

CEREBELLAR ABIOTROPHY RESULT

N/N

Result Codes:

N/N	Normal: horse does not possess markers associated with CA
N/CA	Carrier (1 copy of the CA gene): horse has markers associated with CA and is considered to be phenotypically normal and a carrier of the disease gene
CA/CA	*Affected (2 copies of the CA gene): horse has markers associated with CA and is considered to have the disease
N/U	CA status cannot be determined. Atypical combination of DNA markers. Possibility of CA-carrier status cannot be excluded with confidence.

Cerebellar Abiotrophy (CA) is a neurological genetic disease found in Arabian horses that is characterized by head tremor and lack of balance equilibrium. CA is inherited as a recessive trait and thus breedings between two carriers (N/CA) have a 25% chance of producing an affected foal. Breedings between carrier and normal (N/N) horses produce only normal foals, but 50% of these are expected to be carriers. While CA is not fatal, affected animals can be a danger to themselves and their handlers because of their symptoms.

This is not a direct genetic test for CA. The analysis is based on markers associated with this disease.

* The signs of CA are variable and can range from very mild to severe. The CA-screening test does not predict the degree of severity. A small number of animals testing as CA/CA have been reported as showing no signs but without thorough neurological evaluation.