



VETERINARY GENETICS LABORATORY
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HERDA TEST RESULT

JEFFREY NEIDHART 4144 CRISTO REY ST FARMINGTON, NM 87401	Case: NQ48688 Date Received: 26-Mar-2019 Print Date: 10-Jun-2019 Report ID: 2642-1391-9106-8102 <small>Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm</small>
Name: CHESHIRE THE CAT <i>DOB:</i> 03/01/2014 <i>Sex:</i> Stallion <i>Breed:</i> Quarter Horse	Reg: 5638745
<i>Sire:</i> HIGH BROW CAT <i>Dam:</i> AUTUMN BOON	<i>Reg:</i> 2706274 <i>Reg:</i> 4210858

HERDA Test Result

N/HRD

Result Codes:

N/N	Normal - horse does not have the HERDA gene
N/HRD	Carrier - horse carries one copy of the HERDA gene
HRD/HRD	Affected - horse has two copies of the HERDA gene

Hereditary equine regional dermal asthenia (**HERDA**) is a degenerative skin disease characterized by hyperextensible skin, scarring, and severe lesions along the back of affected horses. Affected foals rarely show symptoms at birth. The condition typically occurs by the age of two, most notably when the horse is first being broke to saddle. HERDA is an autosomal recessive trait which means that breedings between carrier (N/HRD) horses have a 25% chance of producing an affected foal (HRD/HRD). Breedings between carrier and normal (N/N) horses produce normal foals, but 50% of these are expected to be carriers.

This test is specific for the mutation in the *cyclophilin B* gene (PPIB) that has been shown to be associated with HERDA. For more information go to <http://vgl.ucdavis.edu>.