



VETERINARY GENETICS LABORATORY  
 SCHOOL OF VETERINARY MEDICINE  
 ONE SHIELDS AVENUE  
 DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
 FAX: (530) 752-3556

**HERDA TEST RESULT**

HEINIE HENDLEY 4150 S. LAKE SARAH DR MAPLE PLAIN, MN 55359	<b>Case:</b> HRD1204 <b>Date Received:</b> 12-May-2008 <b>Report Date:</b> 13-May-2008 <b>Report ID:</b> 4370-1885-3977-2008
<b>Name:</b> FROSTY THE GOODBAR <b>YOB:</b> 99 <b>Breed:</b> QH <b>Sex:</b> S	<b>Reg:</b> 3762838 <b>Alt. ID:</b>
<b>Sire:</b> ZIPPOS MR GOOD BAR <b>Dam:</b> INVEST A STEP	<b>Reg:</b> 2259600 <b>Reg:</b> 2577361

**HERDA Test Result**

N/N

**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>.