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HERDA TEST RESULT

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