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HERDA TEST RESULT

BILL COOKSHAW BOX 20, SITE 1, RR 1 DEWINTON, ALBERTA CANADA T0L 0X0 CANADA	Case: HRD514 Date Received: 19-Dec-2007 Report Date: 20-Dec-2007 Report ID: 2722-9783-9291-7066
Name: IMA DOCS HIGH SIGN YOB: 01 Breed: AP Sex: S	Reg: 621229 Alt. ID:
Sire: IMA DOC O'LENA Dam: IMA NATURAL HIGH	Reg: T301800 Reg: 579687

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>.