

**Test Report**

**Meredith Kuhn**  
33873 S Ave  
Adel, IA 50003  
USA

Optigen Accession #: **09-6052**  
Report issued for: **Muddy**

*OptiGen Test Certificate*

**Optigen Accession #: 09-6052**

**Report Issued: 01/06/2011**

Test Performed: **Inherited RD/OSD**

Result: **Normal**  
Sample Type: **Swab**

Registered Name: **Critter Creek Muddy Waters**

Reg#: **SR39733705**

Breed: **Labrador Retriever**

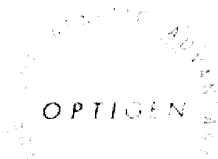
ID#: **4634155B31**

Sex: **Male**

Date of Birth: **December 11,  
2006**

Owner(s):

**Meredith Kuhn**  
**Tracy Kuhn**



*Susan Teasdale*  
**OptiGen Authorized Signature**

[www.optigen.com](http://www.optigen.com)

Test Results: Genotype of your dog is Normal.

Risk for developing RD/OSD: This dog will never develop the OSD-associated form of RD (Retinal Dysplasia-retinal folds). There are many forms of RD in the Labrador Retriever. A Normal result for this test does not mean the dog will never develop RD however other forms of RD in the breed are likely to be considered insignificant compared to RD/OSD.

Significance for breeding: Genetically Normal RD/OSD dogs can be bred to any dog and will not produce dogs showing severe OSD disease (dwarfism and blindness). Genetically Normal RD/OSD dogs may produce dogs with retinal folds (RD) if bred to mates that carry the RD/OSD mutation.

This interpretation is based on the test result of the DNA test for the specific mutation identified as causing the OSD-associated form of RD (Retinal Dysplasia-retinal folds) in Labrador Retrievers as of the date on this report.