

Office Use Only
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 RAD _____
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Orthopedic Foundation for Animals

2300 E Nifong Blvd, Columbia, MO 65201-3806

Phone: (573) 442-0418; Fax: (573)875-5073

www.offa.org

A Not-For-Profit Organization

**Office
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Application for DNA Based Genetic Database

※ Please type or print legibly. To ensure accuracy please enclose copy of the dog's registration papers ※

Specific Genetic Disease Test Requested:

previous application number (if any) _____

registration number AKC CKC Other _____

registered name _____

sex _____ Color _____

breed _____

date of birth (month-day-year) _____

ID number (if any)* Tattoo Microchip

registration number of sire _____ registration number of dam _____

* The OFA has adopted a policy, effective January 1, 2001, acknowledging animals that have been submitted for inclusion in our databases that have permanent identification in the form of microchip or tattoo. Animals not permanently identified will continue to be evaluated; however, they will be issued a number clearly indicating that the animal has no permanent identification.

owner name _____

date sample taken (month-day-year) _____

co-owner name _____

veterinarian's name or veterinary hospital _____

mailing address _____

mailing address _____

city _____ state/province _____ zip/postal code _____

city _____ state/province _____ zip/postal code _____

phone _____ email _____

phone _____ email _____

I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to verify any attached laboratory reports with the issuing lab. I further authorize the laboratory issuing the attached documentation to verify the reported test results with the OFA upon their direct request. I authorize the OFA to release all information on the test results thus placing the results in the public domain and I hereby release OFA from any and all liability associated with the release of test information.

Signature of owner or authorized representative _____

DNA Testing

DNA testing based on identification of a specific gene mutation is 100% accurate for identification of animals that are **clear** of the disease (homozygous normal), **carriers** of the disease (phenotypically normal but heterozygous for normal and mutant alleles), or **affected** with the disease (homozygous for mutant alleles). Knowledge of the genotypic status is the breeder's most powerful tool for elimination of a genetic disease. Breeding of genetically **clear** individuals will produce offspring that are all genetically and phenotypically normal. Breedings of a **clear** with a **carrier** will produce all phenotypically normal offspring but 50% of the offspring are expected to be genotypic **carriers**. In the rare incidence where desirable traits of an affected individual outweigh the undesirable genetic trait, an **affected** individual may be bred to a **clear** and the offspring will be all phenotypically normal but genotypic **carriers**. These offspring should later be bred only with **clear** individuals.

DNA testing by linkage is not as straight forward as that for identification of a specific gene mutation and requires more explanation than this space allows, but it is more desirable than existing tests based on phenotypic evaluations of polygenic traits.

The financial advantages of DNA testing and associated DNA profiling are clear. The test is accurate, can be done at an early age, only one test is required, and progeny can be cleared by parentage if DNA profiles are available for determination of parentage.

OFA serves as the central repository of DNA test results from approved laboratories for purposes of monitoring the disease and as a source of information for breeders, breed clubs, owners, prospective owners, and researchers.

Fees

Submission fee/individual \$15.00
 A litter of 3 or more submitted together \$30.00 total
Kennel rate:
 Individuals submitted as a group, owned/co-owned by the same person
 5 to 10 individuals \$7.50 each
 10 or more call for fee

※ Affected dogs at any age are no charge ※

Laboratories Performing DNA-based Disease Tests

VetGen

3728 Plaza Drive, Suite One
Ann Arbor, MI 48108
Phone: (800) 483-8436
Web: www.vetgen.com

OptiGen, LLC

Cornell Business & Technology Park
767 Warren Road, Suite 300
Ithaca, NY 14850
Phone: 607-257-0301
Fax: 607-257-0353
Email: genetest@optigen.com
Web: www.optigen.com

PennGen Laboratories

3850 Spruce Street
Philadelphia, PA 19104-6010
Phone: (215) 898-3375
Web: <http://w3.vet.upenn.edu/research/centers/penngen/>

Veterinary Diagnostics Center

225 Corporate Court
Fairfield, OH 45014
Toll-Free: (800) 625-0874
Web: www.vetdnacenter.com
Email: contact@vetdnacenter.com

HealthGene

2175 Keele St.
Toronto, ON M6M 3Z4
Canada
Toll Free: 1-877-371-1551
Web: www.healthgene.com
Email: info@healthgene.com

Dr. David Wenger

Dept of Neurology
Jefferson Medical College
1020 Locust St, 394
Philadelphia, PA 19107

Washington State University-Veterinary Clinical Pharmacology Lab (WSU-VCPL)

PO Box 2280
Pullman, WA 99165-2280
Phone/FAX: 509-335-3745
Web: www.vetmed.wsu.edu/depts-VCPL/test.asp
Email: VCPL@vetmed.wsu.edu

Animal Molecular Genetics Lab

Univ of MO College of Vet Medicine
320 Connaway Hall
Columbia, MO 65211
HansenL@missouri.edu
www.CanineGeneticDiseases.net

Please visit the OFA Website for a Current List of Accepted Tests performed by each lab.