



LINKAGE AND DIRECT DNA CANINE GENETIC TESTS OFFERED 10/27/09

Please note that this list is not complete. If you know of additional genetic tests being offered, please email the disease, breeds tested and contact organization to caninehealth@akcchf.org.

Disease	Breed(s)	Laboratory
Canine Leukocyte Adhesion Deficiency (CLAD)	Irish Setter Irish Red & White Setter	Optigen, LLC Animal Health Trust
Cataracts	Australian Shepherd French Bulldog Staffordshire Bull Terrier	Animal Health Trust
Cataracts	Staffordshire Bull Terrier	VetGen, LLC
Cataracts (Juvenile)	Boston Terrier	Animal Health Trust VetGen, LLC
Centronuclear Myopathy (CNM)	Labrador Retriever	Alfort School of Veterinary Medicine Animal Health Trust
Ceroid Lipofuscinosis	Border Collie	Animal Health Trust
Cobalamin Malabsorption	Australian Shepherd Giant Schnauzer	PennGen Laboratories
Collie Eye Anomaly (Choroidal Hypoplasia)	Australian Shepherd Border Collie Lancashire Heeler Nova Scotia Duck Tolling Retriever Rough Collie Shetland Sheepdog Smooth Collie Long Haired Whippets	Optigen, LLC
Cone Degeneration	German Shorthaired Pointer	Optigen, LLC
Congenital Stationary Nightblindness (RPE-65/CNSB)	Briard	Optigen, LLC Animal Health Trust
Copper Toxicosis	Bedlington Terrier	Animal Health Trust
Copper Toxicosis – Deletion	Bedlington Terrier	VetGen, LLC
Copper Toxicosis – Marker	Bedlington Terrier	VetGen, LLC
Cystinuria	Newfoundland Labrador Retriever	PennGen Laboratories Optigen, LLC VetGen, LLC

Disease	Breed(s)	Laboratory
Degenerative Myelopathy	Boxer Cardigan Welsh Corgi Chesapeake Bay Retriever German Shepherd Pembroke Welsh Corgi Rhodesian Ridgeback Standard Poodle	Orthopedic Foundation for Animals / University of Missouri
Exercise Induced Collapse	Labrador Retriever	University of Minnesota
Factor VII Deficiency	Airedale Terrier Alaskan Klee Kai Beagle Giant Schnauzer Scottish Deerhound	VetGen, LLC
Factor VII Deficiency	Alaskan Klee Kai Beagle Scottish Deerhound	PennGen Laboratories
Factor XI	Kerry Blue Terrier	PennGen Laboratories
Fanconi Syndrome	Basenji	Orthopedic Foundation for Animals / University of Missouri
Fucosidosis	English Springer Spaniel	Animal Health Trust PennGen Laboratories
Glanzmann's Thrombasthenia (Type I)	Great Pyrenees Otterhound	Auburn University
Globoid Cell Leukodystrophy	Cairn Terrier West Highland White Terrier	Jefferson Medical College
Hemophilia B	German Wirehaired Pointers	Cornell University Comparative Coagulation Section
Hyperuricosuria	Black Russian Terrier Bulldog Dalmatian	Veterinary Genetics Laboratory, UC Davis
Hypothyroidism	Toy Fox Terrier	PennGen Laboratories
L-2-hydroxy Glutaric Aciduria	Staffordshire Bull Terriers	Animal Health Trust University of Missouri
Merle	All Breeds	Vita-Tech
Mucopolysaccharidosis Type IIIB	Schipperke	PennGen Laboratories
Mucopolysaccharidosis Type VI	Miniature Pinscher	PennGen Laboratories

Disease	Breed(s)	Laboratory
Mucopolysaccharidosis Type VII	German Shepherd Dog Mixed Breeds	PennGen Laboratories
Multi-Drug Reactivity (MDR1)	Australian Shepherd Collie German Shepherd Dog Long Haired Whippet Old English Sheepdog Shetland Sheepdog Silken Windhound	Washington State University
Musladin-Leuke Syndrome	Beagle	Veterinary Genetics Laboratory, UC Davis
Myotonia Congenita	Miniature Schnauzer	Optigen, LLC PennGen Laboratories
Narcolepsy	Dachshund Doberman Pinscher Labrador Retriever	Optigen, LLC
Neonatal Encephalopathy	Standard Poodle	Orthopedic Foundation for Animals / University of Missouri
Neuronal Ceroid Lipofuscinosis	American Bulldog English Setter Dachshund	University of Missouri
Neuronal Ceroid Lipofuscinosis	American Bulldog	VetGen, LLC
Neuronal Ceroid Lipofuscinosis	Border Collie	Optigen, LLC
Phosphofructokinase (PFK) Deficiency	English Springer Spaniel	Animal Health Trust University of Missouri
Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Springer Spaniel	Optigen, LLC
Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Springer Spaniel Mixed Breeds	PennGen Laboratories
Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Cocker Spaniel English Springer Spaniel	VetGen, LLC
Primary Hyperparathyroidism	Keeshond	Goldstein Molecular and Genetics Laboratory

**The Irish Setter Club of America only recognizes the PRA test done by Optigen, LLC.*

Disease	Breed(s)	Laboratory
Primary Lens Luxation	Australian Cattle Dog Chinese Crested Jack Russell Terrier Lancashire Heeler Miniature Bull Terrier Parson Russell Terrier Sealyham Terrier Tibetan Terrier Welsh Terrier	Animal Health Trust Orthopedic Foundation for Animals / University of Missouri
Progressive Retinal Atrophy (PRA)	Cardigan Welsh Corgi Irish Setter*	VetGen, LLC
Progressive Retinal Atrophy (PRA)	Sloughis Mini Longhaired Dachshund Mini Smooth Dachshund	Animal Health Trust
Progressive Retinal Atrophy (PRA) (Form: <i>cord1</i>)	English Springer Spaniel Dachshund	Animal Health Trust University of Missouri
Progressive Retinal Atrophy (PRA) (Form: Dominant)	Bullmastiff English Mastiff	Optigen, LLC
Progressive Retinal Atrophy (PRA) (Form: <i>Prcd</i>)	American Eskimo Dog Australian Cattle Dog Australian Shepherd Australian Shepherd (miniature) Chesapeake Bay Retriever English Cocker Spaniel Entelbacher Mountain Dog Labrador Retriever Miniature Poodle Nova Scotia Duck Tolling Retriever Portuguese Water Dog Toy Poodle Kuvasz	Optigen, LLC
Progress Retinal Atrophy (PRA) (Form: <i>Prcd</i>)	Irish Setter Irish Red & White Setter	Animal Health Trust
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd1</i>)	Irish Setter Irish Red & White Setter	Optigen, LLC
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd1a</i>)	Sloughi	Optigen, LLC
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd3</i>)	Cardigan Welsh Corgi	Optigen, LLC

Disease	Breed(s)	Laboratory
Progressive Retinal Atrophy (PRA) (Form: Type A)	Miniature Schnauzer	Optigen, LLC
Progressive Retinal Atrophy (PRA) (Form: X-Linked)	Samoyed Siberian Husky	Optigen, LLC
Pyruvate Kinase Deficiency	West Highland White Terrier	Animal Health Trust
Pyruvate Kinase Deficiency	Basenji	Optigen, LLC
Pyruvate Kinase Deficiency	Basenji West Highland White Terrier	VetGen, LLC
Pyruvate Kinase Deficiency	American Eskimo Dog Basenji Beagle Chihuahua Dachshund West Highland White Terrier	PennGen Laboratories
Pyruvate Dehydrogenase Phosphatase 1 (PDP1)	Clumber Spaniel Sussex Spaniel	Animal Health Trust
Severe Combined Immune-Deficiency (SCID)	Basset Hound Cardigan Welsh Corgi Pembroke Welsh Corgi	PennGen Laboratories
von Willebrand's Disease Type I	Bernese Mountain Dog Coton de Tulear Doberman Pinscher Drentsche Patrijshond German Pinscher Kerry Blue Terrier Manchester Terrier Papillon Pembroke Welsh Corgi Poodle (All Varieties) Stabyhoun	VetGen, LLC
von Willebrand's Disease Type II	German Shorthaired Pointer German Wirehaired Pointer	VetGen, LLC
von Willebrand's Disease Type III	Shetland Sheepdog Scottish Terrier	VetGen, LLC
von Willebrand's Disease	Irish Red and White Setter	Animal Health Trust

Alfort School of Veterinary Medicine

CNM Project – UMR955 of Molecular Genetics

ENV Alfort

7 ave du General de Gaulle

94700 Maisons-Alfort

France

PH: +33 1 43 967 169

info@labradorcnm.com

www.labradorcnm.com

Animal Health Trust

Ms. Vikki Lett

Genetic Services

Lanwades Park, Kentford

Newmarket, Suffolk CB8 7UU

United Kingdom

PH: +44 1638 750659 ext 1223

Vikki.lett@aht.org.uk

<http://www.aht.org.uk/genetics.html>

Auburn University

PH: 334-844-2692

boudrmk@vetmed.auburn.edu

Comparative Coagulation Section

Cornell University

PH: 607-275-0622

<http://www.diaglab.vet.cornell.edu/coag/test/hemopwh.asp>

Goldstein Molecular and Genetics Laboratory

Richard E. Goldstein, DVM, DACVIM, DECVIM-CA

Phone: 607-253-4480

Fax: 607-253-3534

phpt@cornell.edu

Website: <http://www.vet.cornell.edu/labs/goldstein/>

Jefferson Medical College

Dr. David Wenger

Department of Neurology

1020 Locust St., Room 394

Philadelphia, PA 19107-5563

Phone: (215) 955-1666

Fax: (215) 955-9554

David.Wenger@jefferson.edu

Orthopedic Foundation for Animals / University of Missouri

2300 E Nifong Blvd.

Columbia, MO 65201

573-442-0418

www.offa.org

ordering page: www.offa.org/dnatesting

Optigen, LLC

Cornell Business & Technology Park
33 Thornwood Dr, Suite 102
Ithaca, NY 14850
PH: 607-257-0301
F: 607-257-0353
Genetest@optigen.com

PennGen Laboratories

3850 Spruce Street
Philadelphia, PA 19104
PH: 215-898-3375
F: 215-573-2162
penngen@vet.upenn.edu
<http://research.vet.upenn.edu/penngen>

University of Minnesota

Veterinary Diagnostic Laboratory
1333 Gortner Avenue
St. Paul, MN 55108
PH: 800-605-8787
vdl@umn.edu
www.CanineGeneticDiseases.net

University of Missouri

Attn: Liz Hansen
321 Connaway Hall
University of Missouri
Columbia, MO 65211
PH: 573-884-3712
HansenL@missouri.edu
www.CanineGeneticDiseases.net/ataxia

Veterinary Genetics Laboratory

University of California, Davis
One Shields Avenue
Davis, CA 95616
PH: 530-752-2211
F: 530-752-3556
www.vgl.ucdavis.edu/services/dog.php

VetGen, LLC

3728 Plaza Drive, Suite One
Ann Arbor, MI 48108
PH: 734-669-8440
F: 734-669-8441
VetGen@vetgen.com
www.vetgen.com

Vita-Tech

1345 Denison Street
Markham, Ontario L3R 5V2
Canada

<http://www.vita-tech.com/home.cfm>

Washington State University

College of Veterinary Medicine
Veterinary Clinical Pharmacology Lab

VCPL@vetmed.wsu.edu

<http://www.vetmed.wsu.edu/depts-VCPL/test.aspx>