



LINKAGE AND DIRECT DNA CANINE GENETIC TESTS OFFERED 4/22/09

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
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	University of Missouri
Neuronal Ceroid Lipofuscinosis	American Bulldog English Setter	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
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
Progressive Retinal Atrophy (PRA)	Cardigan Welsh Corgi Irish Setter*	VetGen, LLC

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

Disease	Breed(s)	Laboratory
Progressive Retinal Atrophy (PRA)	Sloughis Mini Longhaired Dachshund Mini Smooth Dachshund	Animal Health Trust
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
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

Disease	Breed(s)	Laboratory
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

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