

LINKAGE
CANINE



AMERICAN KENNEL CLUB
CANINE HEALTH FOUNDATION

AND DIRECT DNA
GENETIC TESTS

OFFERED 9/27/07

Disease	Breed(s)	Contact
Canine Leukocyte Adhesion Deficiency (CLAD)	Irish Setter Irish Red & White Setter	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
Canine Leukocyte Adhesion Deficiency (CLAD)	Irish Setter Irish Red & White Setter	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Cataracts	French Bulldog Staffordshire Bull Terrier	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Cataracts (Juvenile)	Boston Terrier	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine

Disease	Breed(s)	Contact
Centronuclear Myopathy (CNM)	Labrador Retriever	<p>Alfort School of Veterinary Medicine CNM Project – UMR955 of Molecular Genetics ENV Alfort 7 ave du General de Gaulle 94700 Maisons-Alfort France F: +33 1 43 967 169 Email: info@labradorcnm.com www.labradorcnm.com</p>
Centronuclear Myopathy (CNM)	Labrador Retriever	<p>Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine</p>
Ceroid Lipofuscinosis	Border Collie	<p>Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine</p>
Cobalamin Malabsorption	Giant Schnauzer	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>

Disease	Breed(s)	Contact
Collie Eye Anomaly (Choroidal Hypoplasia)	Australian Shepherd Border Collie Lancashire Heeler NS Duck Tolling Ret. Rough Collie Shetland Sheepdog Smooth Collie Long Haired Whippets	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
Cone Degeneration	German Shorthaired Pointer	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
Congenital Stationary Nightblindness (RPE-65/CNSB)	Briard	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
Congenital Stationary Nightblindness	Briard	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Copper Toxicosis	Bedlington Terrier	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine

Disease	Breed(s)	Contact
Cystinuria	Newfoundland Labrador Retriever	PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html
Cystinuria	Newfoundland	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
Cystinuria	Newfoundland	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
Hemophilia B	German Wirehaired Pointers	Comparative Coagulation Section Cornell University PH: 607-275-0622 http://www.diaglab.vet.cornell.edu/coag/test/hemopwh.asp
Factor VII Deficiency	Alaskan Klee Kai Beagle Giant Schnauzer Scottish Deerhound	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
Factor VII Deficiency	Alaskan Klee Kai Beagle Scottish Deerhound	PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html

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Factor XI	Kery Blue Terrier	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
Fucosidosis	English Springer Spaniel	<p>Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine</p>
Fucosidosis	English Springer Spaniel	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
Glanzmann's Thrombasthenia (Type I)	Great Pyrenees Otterhound	<p>Auburn University PH: 334-844-2692 boudrmk@vetmed.auburn.edu</p>
Hypothyroidism	Toy Fox Terrier	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
L-2-hydroxy Glutaric Aciduria	Staffordshire Bull Terriers	<p>Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kindgom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine</p>

Disease	Breed(s)	Contact
Merle	All Breeds	<p>Vita-Tech 1345 Denison Street Markham, Ontario L3R 5V2 Canada http://www.vita-tech.com/home.cfm</p>
Mucopolysaccharidosis Type IIIB	Schipperke	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
Mucopolysaccharidosis Type VI	Miniature Pinscher	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
Mucopolysaccharidosis Type VII	German Shepherd Dog Mixed Breeds	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>
Myotonia Congenita	Miniature Schnauzer	<p>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</p>
Myotonia Congenita	Miniature Schnauzer	<p>PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html</p>

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Narcolepsy	Dachshund Doberman Pinscher Labrador Retriever	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
Neonatal Encephalopathy	Standard Poodle	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
Neuronal Ceroid Lipofuscinosis	American Bulldog English Setter	University of Missouri Attn: Liz Hansen 321 Connaway Hall University of Missouri Columbia, MO 65211 PH: 573-884-3712 HansenL@missouri.edu
Neuronal Ceroid Lipofuscinosis	Border Collie	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
Phosphofruktokinase (PFK) Deficiency	English Springer Spaniel	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine

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Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Springer Spaniel	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
Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Springer Spaniel Mixed Breeds	PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu
Phosphofructokinase (PFK) Deficiency	American Cocker Spaniel English Cocker Spaniel English Springer Spaniel	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
Progressive Retinal Atrophy (PRA)	Irish Setter*	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
Progressive Retinal Atrophy (PRA)	Sloughis Mini Longhaired Dachshund Mini Smooth Dachshund	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Progressive Retinal Atrophy (PRA) (Form: Dominant)	Bullmastiff English Mastiff	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

Disease	Breed(s)	Contact
Progressive Retinal Atrophy (PRA) (Form: <i>Prcd</i>)	American Eskimo Dog Australian Cattle Dog Chesapeake Bay Retriever English Cocker Spaniel Entelbucher Mountain Dog Labrador Retriever Miniature Poodle Nova Scotia Duck Tolling Retriever Portuguese Water Dog Toy Poodle Kuvasz	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
Progress Retinal Atrophy (PRA) (Form: <i>Prcd</i>)	Irish Setter Irish Red & White Setter	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd1</i>)	Irish Setter Irish Red & White Setter	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
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd1a</i>)	Sloughi	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

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

Disease	Breed(s)	Contact
Progressive Retinal Atrophy (PRA) (Form: <i>Rcd3</i>)	Cardigan Welsh Corgi	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
Progressive Retinal Atrophy (PRA) (Form: Type A)	Miniature Schnauzer	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
Progressive Retinal Atrophy (PRA) (Form: X-Linked)	Samoyed Siberian Husky	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
Pyruvate Kinase Deficiency	West Highland White Terriers	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Pyruvate Kinase Deficiency	Basenji	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

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Pyruvate Kinase Deficiency	American Eskimo Dog Basenji Beagle Chihuahua Dachshund West Highland White Terrier	PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html
Pyruvate Kinase Deficiency	Basenji	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
Pyruvate Dehydrogenase Phosphatase 1 (PDP1)	Clumber Spaniel Sussex Spaniel	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine
Severe Combined Immune-Deficiency (SCID)	Basset Hound Cardigan Welsh Corgi Pembroke Welsh Corgi	PennGen Laboratories 3850 Spruce Street Philadelphia, PA 19104 PH: 215-898-3375 F: 215-573-2162 penngen@vet.upenn.edu www.vet.upenn.edu/research/centers/penngen/services/index.html
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)	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com

Disease	Breed(s)	Contact
von Willebrand's Disease Type II	German Shorthaired Pointer German Wirehaired Pointer	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
von Willebrand's Disease Type III	Shetland Sheepdog Scottish Terrier	VetGen, LLC 3728 Plaza Drive, Suite One Ann Arbor, MI 48108 PH: 800-483-8436 F: 313-669-8441 VetGen@Bizserve.com
von Willebrand's Disease	Irish Red and White Setter	Animal Health Trust Ms. Vikki Lett Genetic Services Lanwades Park, Kentford Newmarket, Suffolk CB8 7UU United Kingdom F: +44 1638 750659 ext 1223 Vikki.lett@aht.org.uk http://www.aht.org.uk/sci_diag_disc_genetics_dna.html#canine