

# Submission Form

## Genetic tests for dogs

(Please write legibly and in block letters)

Membership breed club: YES  NO

(If YES - please attach a copy of your membership card)

**LADR** Biofocus

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### Sender/Owner

Full name: \_\_\_\_\_ Country: \_\_\_\_\_

Street: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ Fax: \_\_\_\_\_

State: \_\_\_\_\_ Zip-Code: \_\_\_\_\_ E-mail: \_\_\_\_\_

Date/Signature: \_\_\_\_\_

### Dog information

Name: \_\_\_\_\_ Tattoo-No.: \_\_\_\_\_

Breed: \_\_\_\_\_ Registration-No.: \_\_\_\_\_

Coat color: \_\_\_\_\_ Chip-No.: \_\_\_\_\_  
(required for certificates)

Date of birth: \_\_\_\_\_

Gender: female  male

#### Dog's parents:

(only necessary for coat color and coat type tests)

Dam's name: \_\_\_\_\_ Sire's name: \_\_\_\_\_

Breed: \_\_\_\_\_ Breed: \_\_\_\_\_

Coat color: \_\_\_\_\_ Coat color: \_\_\_\_\_

Coat length longhair  shorthair  Coat length longhair  shorthair   
(only for coat length test) (only for coat length test)

### Sample specification

Sampling by:  Owner/Sender  Independent authority (e.g. veterinarian or breed warden)

Sample material: buccal swabs (2 samples)  EDTA-blood (approx. 0.5 ml)

Please perform the buccal swab thoroughly and make sure that the dog being tested has not eaten anything for at least 30 minutes.  
Further information about sample collection can be found on our homepage.

Sample labeling: \_\_\_\_\_

Date of sampling: \_\_\_\_\_

I hereby confirm that the identity of the above-listed animal was verified  
and that the samples derive from the above-listed animal.

\_\_\_\_\_ stamp/signature independent authority

### Submission of results

Test-results will be send to either the Owner/Sender and/or Veterinarian

Test-results to: Owner/Sender  Veterinarian

Invoice to: Owner/Sender  Veterinarian

Certificate  certificates will be provided for each test separately

Certificate for the first test is free of charge, certificates for two to five tests will cost 7.14 €, more than five certificates will cost 14.28 € (incl. VAT).

Certificates are available only if Chip-No. is provided. It is recommended that sampling is carried out by an independent authority (e.g. veterinarian or breed warden) to confirm sample origin.

Certificate for DNA-profile will cost 7.14 € (incl. VAT), reports for parentage verification are free of charge.

Sender/Owner: \_\_\_\_\_

Dog's name: \_\_\_\_\_

## Genetic Disorders

<b>Bandera's neonatal ataxia</b> (Coton de Tulear)	<input type="checkbox"/>
<b>Brachyury / Tail, short</b> (Australian Shepherd, Austrian Pinscher, Australian Stumpy Tail Cattle Dog, Bourbonnais Pointer, Brazilian Terrier, Brittany Spaniel, Croatian Sheepdog, Danish-Swedish Farndog, Jack Russell Terrier, Karelian Bear Dog, Mudi, Polish Lowland Sheepdog, Pyrenean Shepherd, Savoy Sheepdog, Schipperke, Spanish Waterdog, Swedish Vallhund)	<input type="checkbox"/>
<b>Chondrodysplasia</b> (Basset Hound, Cairn Terrier, Cardigan Welsh Corgi, Dachshund, Dandie Dinmont Terrier, Lancashire Heeler, Norwich Terrier, Pembroke Welsh Corgi, Petit Basset Griffon Vendéen, Skye Terrier, Swedish Valhund, Tebetian Spaniel, West Highland White Terrier)	<input type="checkbox"/>
<b>Copper toxicosis / Wilson disease</b> (Bedlington Terrier)	<input type="checkbox"/>
<b>Cystinuria, type I - A</b> (Newfoundland, Landseer)	<input type="checkbox"/>
<b>Cystinuria, type III</b> SLC3A1 and SLC7A9 mutations (American Bulldog, English Bulldog, Continental Bulldog, French Bulldog, Leavitt Bulldog, Old English Bulldog)	<input type="checkbox"/>
<b>Degenerative myelopathy (DM Combi-Test)</b> SOD1:c.118G>A mutation / SOD1: c.166+9_c.166+10ins (Hovawart, Collie (Rough), Poodle)	<input type="checkbox"/>
<b>Degenerative myelopathy (DM)*</b> SOD1:c.118G>A mutation (all breeds)	<input type="checkbox"/>
<b>Dry Eye Curly Coat + Episodic Falling (Combi)</b> (Cavalier King Charles Spaniel)	<input type="checkbox"/>
<b>Dry Eye Curly Coat Syndrom</b> (Cavalier King Charles Spaniel)	<input type="checkbox"/>
<b>Duchenne muscular dystrophy (DMD)</b> (Cavalier King Charles Spaniel)	<input type="checkbox"/>
<b>Episodic falling</b> (Cavalier King Charles Spaniel)	<input type="checkbox"/>
<b>Factor VII deficiency</b> (Airedale Terrier, Alaskan Klee Kai, Beagle, Giant Schnauzer, Scottish Deerhound)	<input type="checkbox"/>
<b>Fucosidosis, alpha</b> (English Springer Spaniel)	<input type="checkbox"/>
<b>GM1-Gangliosidosis</b> (Husky)	<input type="checkbox"/>
<b>Golden Retriever Muscular dystrophy (GRMD)</b> (Golden Retriever)	<input type="checkbox"/>
<b>Haemophilia A</b> X-linked (Havanese)	<input type="checkbox"/>
<b>Hyperkeratosis, palmoplantar</b> (Irish Terrier, Kromfohrlander)	<input type="checkbox"/>
<b>Hyperuricosuria</b> (all breeds)	<input type="checkbox"/>
<b>Ichthyosis</b> (Golden Retriever)	<input type="checkbox"/>
<b>Krabbe disease</b> (Cairn Terrier, Irish Setter, Westhighland White Terrier)	<input type="checkbox"/>
<b>Leukocyte adhesion deficiency, type I (CLAD)</b> (Irish Setter, Irish Red and White Setter)	<input type="checkbox"/>
<b>Malignant hyperthermia</b> (all breeds)	<input type="checkbox"/>
<b>Mucopolysaccharidosis VII (MPS VII)</b> (German Shepherd Dog)	<input type="checkbox"/>
<b>Multidrug resistance 1 (MDR1)</b> (Australian Shepherd, Bobtail (Old English Sheepdog), Border Collie, Collie (Rough), Collie (Smooth), Longhaired Whippet, Shetland Sheepdog, Silken Windhound, Wäller, White Swiss Shepherd Dog, Toy Australian Shepherd, German Shepherd Dog)	<input type="checkbox"/>
<b>Muscular hypertrophy (bully whippet)</b> (Whippet)	<input type="checkbox"/>

<b>Musladin-Lueke syndrome (MLS)</b> (Beagle)	<input type="checkbox"/>
<b>Myopathy, centronuclear</b> (Labrador Retriever)	<input type="checkbox"/>
<b>Narcolepsy</b> (Dachshund, Dobermann, Labrador Retriever)	<input type="checkbox"/>
<b>Neonatal cerebellar cortical degeneration (NCCD)</b> (Beagle)	<input type="checkbox"/>
<b>Neonatal encephalopathy with seizures (NEWS)</b> (Poodle)	<input type="checkbox"/>
<b>Nephropathy</b> (English Cocker Spaniel)	<input type="checkbox"/>
<b>Neuroaxonal dystrophy, PLA2G6-related</b> (Papillon)	<input type="checkbox"/>
<b>Neuronal ceroid lipofuscinosis (NCL)</b> (American Bulldog, American Staffordshire Terrier, Australian Cattle Dog, Australian Shepherd, Border Collie, Chinese Crested, Chihuahua, English Setter, Long-haired Dachshund, Tibet Terrier)	<input type="checkbox"/>
<b>Neutropenia, cyclic / Grey Collie Syndrom</b> (Collie)	<input type="checkbox"/>
<b>Oculoskeletal dysplasia 2 (OSD2/DRD2)</b> (Samoyed)	<input type="checkbox"/>
<b>Osteogenesis imperfecta</b> (Dachshund)	<input type="checkbox"/>
<b>Phosphofructokinase deficiency (PFK) / Glycogen Storage Disease VII (GSD VII)</b> (American Cocker Spaniel, English Springer Spaniel, Whippet, English Cocker Spaniel, Wachtelhund)	<input type="checkbox"/>
<b>Primary ciliary dyskinesia (PCD)</b> (Bobtail (Old English Sheepdog))	<input type="checkbox"/>
<b>Primary hyperoxaluria type I (PH1)</b> (Coton de Tulear)	<input type="checkbox"/>
<b>Pug Dog Enzephalitis (PDE) / Necrotizing meningoencephalitis (NME)</b> (Pug)	<input type="checkbox"/>
<b>Pyruvate dehydrogenase deficiency</b> (Clumber-Spaniel, Sussex-Spaniel)	<input type="checkbox"/>
<b>Pyruvate kinase deficiency</b> (Basenji, Cairn Terrier, Westhighland White Terrier)	<input type="checkbox"/>
<b>Severe combined immunodeficiency disease (SCID) autosomal</b> (Jack Russell Terrier)	<input type="checkbox"/>
<b>Severe combined immunodeficiency disease (XSCID) X-linked</b> (Basset Hound, Welsh Corgi)	<input type="checkbox"/>
<b>Trapped Neutrophil Syndrome (TNS)</b> (Border Collie)	<input type="checkbox"/>
<b>Von Willebrand disease I (vWD)</b> (Australian Labradoodle, Basset Hound, Bernese Mountain Dog, Coton de Tulear, Miniature Long-Haired Dachshund, Miniature Smooth-Haired Dachshund, Long-Haired Dachshund, Smooth-Haired Dachshund, German Shepherd Dog, Dobermann, Drentse Patrijshond, Stabijhoun, Goldendoodle, Poodle, Kerry Blue Terrier, Manchester Terrier, Miniatur Wire-Haired Dachshund, Papillon, Poodle Multicolor, Poodle Toy, Rabbit Dachshund Long-Haired, Rabbit Dachshund Smooth-haired, Rabbit Wire-Haired Dachshund, Rottweiler, Standard Wire-Haired Dachshund, Welsh Corgi (Pembroke), Wolfsspitz, Miniature Poodle, Miniature Schnauzer)	<input type="checkbox"/>
<b>Von Willebrand disease II (vWD)</b> (German Shorthaired Pointer, German Wirehaired Pointer)	<input type="checkbox"/>
<b>Von Willebrand disease III (vWD)</b> (Scottish Terrier, Shetland Sheepdog)	<input type="checkbox"/>

\*partner laboratory

Sender/Owner: \_\_\_\_\_

Dog's name: \_\_\_\_\_

## Eye Disorders

<b>Achromatopsia (cone degeneration, hemeralopia), GSPT</b> (German Shorthair Pointer)	<input type="checkbox"/>
<b>Autosomal dominant progressive retinal atrophy (ADPRA)</b> (English Mastiff, Bull Mastiff)	<input type="checkbox"/>
<b>Collie eye anomaly (CEA)</b> (Australian Shepherd, Border Collie, Boykin Spaniel, Lancashire heeler, Longhaired whippet, Collie (Rough), Shetland Sheepdog, Silken Windhound, Collie (Smooth))	<input type="checkbox"/>
<b>Cone rod dystrophy 1 (crd1)</b> (American Staffordshire Terrier)	<input type="checkbox"/>
<b>Cone rod dystrophy 2 (crd2)</b> (American Pitt Bull Terrier)	<input type="checkbox"/>
<b>Cone rod dystrophy 3 (crd3)**</b> (Glen of Imaal Terrier)	<input type="checkbox"/>
<b>Cone rod dystrophy 4 (crd4 / cord1)</b> (Miniature Long-Haired Dachshund, Miniature Smooth-Haired Dachshund)	<input type="checkbox"/>
<b>Crd - Cone rod dystrophy</b> (Miniature Wire-Haired Dachshund, Wire-Haired Dachshund)	<input type="checkbox"/>
<b>Generalized progressive retinal atrophy (gPRA)***</b> (Schapendoes) <i>Costs for Storage of 3 x 2 ml EDTA-Blood for research activities of the International Schapendoes Federation are included.</i>	<input type="checkbox"/>
<b>Golden Retriever PRA 1 (GR-PRA1)</b> (Golden Retriever)	<input type="checkbox"/>
<b>Golden Retriever PRA 2 (GR-PRA2)</b> (Golden Retriever)	<input type="checkbox"/>
<b>Leber congenital amaurosis / Congenital stationary night blindness</b> (Briard)	<input type="checkbox"/>
<b>Lens luxation (PLL)</b> (American Eskimo Dog, American Hairless Terrier, Australian Cattle Dog, Chinese Crested, Chinese Foo Dog, Fox Terrier, Jack Russell Terrier, Jagd Terrier, Lakeland Terrier, Lancashire Heeler, Lucas Terrier, Miniatur Bull Terrier, Mops, Norfolk Terrier, Norwich Terrier, Parson Russell Terrier, Patterdale Terrier, Rat Terrier, Sealyham Terrier, Teddy Roosevelt Terrier, Tenterfield Terrier, Tibet Terrier, Toy Fox Terrier, Volpino Italiano, Welsh Terrier, Westfalen Terrier, Yorkshire Terrier)	<input type="checkbox"/>
<b>Multifocal retinopathy 1 (CMR1)</b> (American Bulldog, Australian Shepherd, Boerboel, Bull Mastiff, Dogue de Bordeaux, English Bulldog, English Mastiff, French Bulldog, Great Pyrenees, Italian Cane Corso, Dogo Canario)	<input type="checkbox"/>
<b>Multifocal retinopathy 2 (CMR2)</b> (Coton de Tulear)	<input type="checkbox"/>
<b>Primary hereditary cataract, early onset (HK/HSF4)</b> (Australian Shepherd, Miniature American Shepherd, Miniature Australian Shepherd)	<input type="checkbox"/>
<b>Primary hereditary cataract, juvenile (JHK/HSF4)</b> (Boston Terrier, French Bulldog, Staffordshire Bull Terrier)	<input type="checkbox"/>
<b>Progressive retinal atrophy (PRA1)</b> (Papillon, Phalene)	<input type="checkbox"/>
<b>Progressive retinal atrophy, CNGA1-related</b> (Shetland Sheepdog)	<input type="checkbox"/>
<b>Progressive retinal atrophy, X-linked, type 1</b> (Samoyed, Siberian Huskie, Weimaraner)	<input type="checkbox"/>
<b>Progressive retinal atrophy, X-linked, type 2</b> (Mongrel)	<input type="checkbox"/>
<b>Progressive rod-cone degeneration (prcd-PRA)</b> (American cocker spaniel, Australian Cattle Dog, Australian Shepherd, Australian stumpy tail cattle dog, Chesapeake Bay Retriever, Chinese Crested Dog, English Cocker Spaniel, Entlebucher mountain dog, Finnish Lapphund, Golden Retriever, Karelian bear dog, Kuvasz, Labrador Retriever, Laponian Herder, Miniature Poodle, Norwegian Elkhound, Nova Scotia Duck Tolling retriever, Portugese water dog, Spanish water dog, Swedish Lapphund, Toy Poodle, Yorkshire Terrier)	<input type="checkbox"/>

<b>Rod-cone dysplasia 1</b> (Irish Setter, Irish Red and White Setter)	<input type="checkbox"/>
<b>Rod-cone dysplasia 1a</b> (Sloughi)	<input type="checkbox"/>
<b>Rod-cone dysplasia 4 (rcd4)</b> (Gordon Setter, Irish Setter)	<input type="checkbox"/>
<i>**With the owner's signature it is agreed that the crd3-results of all Glen of Imaal Terrier may be given to <b>The Kennel Club</b></i>	
<i>***With the owner's signature it is agreed that the gPRA-results of all Schapendoes may be given to the <b>International Schapendoes Federation</b></i>	

## Coat Colors

<b>A-Locus: ay, aw, at, a-alleles</b> <i>Sable-fawn, wild type, wolf sable, black-and-tan, saddle-tan, recessive black</i> (all breeds)	<input type="checkbox"/>
<b>B-Locus:</b> <i>Brown, chocolate</i> (all breeds)	<input type="checkbox"/>
<b>D-Locus:</b> <i>Dilution</i> (all breeds)	<input type="checkbox"/>
<b>E-Locus: EM-allele</b> <i>Melanistic mask</i> (all breeds)	<input type="checkbox"/>
<b>E-Locus:</b> <i>Yellow, lemon, red, cream, apricot</i> (all breeds)	<input type="checkbox"/>
<b>H-Locus:</b> <i>Coat color harlequin</i> (Great Dane)	<input type="checkbox"/>
<b>K-Locus: KB, ky-alleles</b> <i>Dominant black</i> (all breeds)	<input type="checkbox"/>
<b>M-Locus: m, M, Mc, Ma-alleles</b> <i>Coat color merle</i> (all breeds)	<input type="checkbox"/>

## Coat Type

<b>Curly coat</b> (Airedale Terrier, American Water Spaniel, Bichon Frise, Border Collie, Boykin Spaniel, Chesapeake Bay Retriever, Chihuahua, Dachshund, Havanese, Kerry Blue Terrier, Kuvasz, Leonberger, Maltese, Pharaoh Hound, Portuguese Water Dog, Soft Coated Wheaten Terrier, Welsh Terrier, Wire Fox Terrier)	<input type="checkbox"/>
<b>Furnishings; Improper coat</b> (Brussels Griffon, Chinese Crested, Dachshund, German Wirehaired Pointer, Havana Silk Dog, Havanese, Jack Russell Terrier, Portuguese Water Dog, Soft-Coated Wheaten Terrier)	<input type="checkbox"/>
<b>Hair length</b> <i>FGF5: c.284G&gt;T; p.Cys95Phe mutation</i> (all breeds)	<input type="checkbox"/>

**Sender/Owner:** \_\_\_\_\_

**Dog's name:** \_\_\_\_\_

## **DNA-profile (ISAG)**

**DNA-profile**

*Certificate for the DNA-profile will cost 7.14 € (incl. VAT), see also "submission of results" certificates.*

## **Parentage verification**

*- please use the parentage verification submission form -*

- *For parentage verification a DNA-profile (ISAG) is needed. To achieve the highest accuracy, DNA-profiles of both parents are needed.*
- *If DNA-profiles have to be generated for all involved individuals, parentage verification is free of charge, independent of the number of samples submitted. If DNA-profiles are provided by the submitter (e.g. DNA-profiles of the parents), parentage verification will cost 23.80 € (incl. VAT).*
- *Parentage verification report is free of charge.*