

Submission form

Genetics Dog

LABOKLIN

LABOR FÜR KLINISCHE DIAGNOSTIK GMBH & CO. KG
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Customer-No. / Barcode

Business Hours: Mo - Fr: 9:00 - 18:00 h, Sa: 9:00 - 13:00 h

Clinic address:
(Stamp or block letters)

Owner:
(Block letters only, please)

Invoice to:
 Veterinarian
 Owner

Name: _____

First name: _____

Date of birth: _____

(If the invoice should be sent to the owner or submitter, please include their complete address and signature)

(Owners signature for direct invoicing)

Street: _____

Zipcode/city: _____

Please note:
Address for invoicing and signee must be identical

Fax/email: _____

Tel.: _____

Email Fax Mail Report copy to owner

VAT-No.: _____

Fax / e-Mail: _____

Date/Signature: _____

Notification:

Certificate

- 1) The identity of the animal must be confirmed by a veterinarian (specified by Microchip-No., Tattoo-No., Pedigree-No.)
- 2) Certificates are not issued for partner laboratory services
- 3) Certificates are included in the services of DNA-profile and parentage testing

I have checked the animals identity and confirm that samples are taken from the animals listed below.

Name: _____

Signature / Stamp veterinarian _____

Patient-ID: _____

Date of sampling: _____

Please note: Indication of breed is mandatory!

Animal 1 (MANDATORY - please complete using capital letters)

Sample: 0,5 ml EDTA-blood swab blood card

Sex: F M

Name: _____

Date of birth: _____

Breed: _____

Coat colour: _____

Pedigree-No.: _____

Tattoo-No.: _____

Microchip-No.: _____

Sample label: _____

Animal 2 (MANDATORY - please complete using capital letters)

Sample: 0,5 ml EDTA-blood swab blood card

Sex: F M

Name: _____

Date of birth: _____

Breed: _____

Coat colour: _____

Pedigree-No.: _____

Tattoo-No.: _____

Microchip-No.: _____

Sample label: _____

Animal 3 (MANDATORY - please complete using capital letters)

Sample: 0,5 ml EDTA-blood swab blood card

Sex: F M

Name: _____

Date of birth: _____

Breed: _____

Coat colour: _____

Pedigree-No.: _____

Tattoo-No.: _____

Microchip-No.: _____

Sample label: _____



010110050017

Hereditary diseases

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- 8166** **Achromatopsia (day blindness) (ACHM-1)**
(German Shepherd, Labrador Retriever)
- 8259** **Adult onset neuropathy* (AON)**
(English Cocker Spaniel, Field Spaniel)
- 8313** **Alaskan Husky encephalopathy (AHE)**
(Husky)
- 8479** **Alaskan Malamute polyneuropathy (AMPN)**
(Alaskan Malamute)
- 8303** **Amelogenesis imperfecta (AI)**
(Italian Greyhound)
- 8207** **Bardet-Biedl-syndrom (BBS)**
(Puli)
- 8219** **Brachyuria (stumpy tail)**
(Australian Shepherd, Australian Stumpy Tail Cattle Dog, Austrian Pinscher, Bourbonnais Pointer, Bouvier des Ardennes, Brazilian Terrier, Brittany Spaniel, Croatian Sheepdog, Danish/Swedish Farmdog, Jack Russell Terrier, Karelian Bear Dog, Mudi, Polish Lowland Sheepdog, Pyrenean Shepherd, Savoy Sheepdog, Schipperke, Spanish Waterdog, Swedish Vallhund, Welsh Corgi)
- 8184** **C3-Deficiency (C3)**
(Brittany Spaniel)
- 8012** **Canine leukocyte adhesion deficiency (CLAD)**
(Irish Setter, Irish Red and White Setter)
- 8330** **Canine multi-focal retinopathy (CMR1/2/3)**
(American Bulldog, Australian Shepherd, Boerboel, Bullmastiff, Cane Corso, Coton de Tulear, Dogo Canario, Dogue de Bordeaux, English Mastiff, Finnish Lapphund, Laponian Herder, Pyrenean Mountain Dog, Swedish Lapphund)
- 8575** **Canine multiple system degeneration (CMSD)**
(Chinese Crested, Kerry Blue Terrier)
- 8073** **Centronuclear myopathy (CNM)**
(Great Dane, Labrador Retriever)
- 8314** **Cerebral dysfunction (CDFs)**
(Stabyhoun)
- 8316** **Chondrodysplasia (dwarfism)**
(Karelian Bear Dog, Norwegian Elkhound)
- 8326** **Cleft lip/palate and syndactyly (CLPS)**
(Nova Scotia Duck Tolling Retriever)
- 8120** **Collie eye anomaly (CEA)* Optigen**
- 8304** **Collie eye anomaly (CEA)* partnerlaboratory**
(Australian Shepherd, Bearded Collie, Border Collie, Boykin Spaniel, Hokkaido, Lancashire Heeler, Longhaired Whippet, Nova Scotia Duck Tolling Retriever, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound)
- 8256** **Cone degeneration (CD)* Optigen**
(Alaskan Malamute, Australian Shepherd, German Shorthaired Pointer)
- 8434** **Congenital hypothyroidism with goiter (CHG)**
(Fox Terrier, French Bulldog, Rat Terrier, Spanish Waterdog, Tenterfield Terrier)
- 8317** **Congenital Ichthyosis**
(Great Dane)
- 8206** **Congenital myasthenic syndrome (CMS)**
(Jack Russell Terrier, Labrador Retriever, Old Danish Pointing Dog, Parson Russel Terrier)
- 8011** **Congenital stationary night blindness (CSNB)**
(Briard)
- 8034** **Copper storage disease - Copper toxicosis**
(Bedlington Terrier)
- 8348** **Cranio-mandibular osteopathy (CMO)**
(Cairn Terrier, Scottish Terrier, West Highland White Terrier)
- 8013** **Cystinuria**
(Australian Cattle Dog, Labrador Retriever, Landseer, Newfoundland, Miniature Pinscher)
- 8260** **Dandy-Walker-like malformation (DWLM)**
(Eurasian)
- 8485** **Degenerative myelopathy (DM) exon 1**
(Bernese Mountain Dog)
- 8158** **Degenerative myelopathy (DM) exon 2**
(all breeds)
- 8472** **Digital hyperkeratosis (DH/HFH)**
(Dogue de Bordeaux, Irish Terrier, Kromfohländer)
- 8406** **Dry eye curly coat syndrome (CCS)**
(Cavalier King Charles Spaniel)
- 8484** **Ectodermal dysplasia/Skin fragility syndrome (ED/SFS)**
(Chesapeake Bay Retriever)
- 8311** **Epidermolytic hyperkeratosis (EHK)**
(Norfolk Terrier)
- 8202** **Episodic falling (EF)**
(Cavalier King Charles Spaniel)
- 8152** **Exercise induced collapse (EIC)**
(Boykin Spaniel, Chesapeake Bay Retriever, Clumber Spaniel, Curly Coated Retriever, Labrador Retriever, Old English Sheepdog, Pembroke Welsh Corgi, Wirehaired Pointer)
- 8151** **Faktor VII deficiency**
(Airedale Terrier, Alaskan Klee Kai, Beagle, Giant Schnauzer, Scottish Deerhound)
- 8131** **Familial nephropathy (FN)***
(English Cocker Spaniel)
- 8192** **Familial nephropathy (FN)**
(English Springer Spaniel, Samoyed)
- 8272** **Fanconi syndrome***
(Basenji)
- 8467** **Finnish Hound ataxia (FHA)**
(Finnish Hound)
- 8016** **Fucosidosis**
(English Springer Spaniel)
- 8323** **Gallbladder mucoceles**
(American Cocker Spaniel, Cairn Terrier, English Cocker Spaniel, Pomeranian, Shetland Sheepdog)
- 8077** **Glanzmann Thrombastenia (GT)**
(Pyrenean Mountain Dog)
- 8007** **Globoid cell leukodystrophy / Krabbe-disease**
(Cairn Terrier, Irish Setter, West Highland White Terrier)
- 8322** **Glycogen storage disease GSD Ia**
(Maltese)
- 8513** **Glycogen storage disease GSD II (Pompe disease)**
(Finnish Lapphund, Laponian Herder, Swedish Lapphund)
- 8156** **Glycogen storage disease GSD IIIa**
(Curly Coated Retriever)
- 8066** **GM1-Gangliosidosis (GM1)**
(Portuguese Waterdog, Shiba Inu, Siberian Husky)
- 8208** **GM2-Gangliosidosis (Sandhoff-disease) (GM2)**
(Toy Poodle)
- 8098** **Grey Collie syndrome (Canine cyclic neutropenia)**
(Collie)
- 8232** **Haemophilia A (Faktor VIII) - deficiency**
(Boxer, German Shepherd, Havanese)
- 8221** **Haemophilia B (Faktor IX) - deficiency**
(Lhasa Apso, Rhodesian Ridgeback)
- 8319** **Hemorrhagic diathesis (Scott syndrome)**
(German Shepherd)
- 8449** **Hereditary ataxia (HA)**
(Gordon Setter, Old English Sheepdog)
- 8157** **Hereditary cataract (HSF4)**
(Australian Shepherd, Wäller)
- 8576** **Hereditary cataract (HSF4)***
(Boston Terrier, French Bulldog, Staffordshire Bull Terrier)
- 8421** **Hereditary nasal parakeratosis (HNPk)**
(Labrador Retriever)
- 8179** **Hereditary neuropathy (GHN)**
(Greyhound)
- 8154** **Hyperurikosuria (SLC)**
(all breeds)
- 8443** **Hypomyelination / Shaking Puppy Syndrome (SPS)**
(English Springer Spaniel, Weimaraner)
- 8481** **Ichthyosis***
(Golden Retriever)
- 8475** **Imerslund-Gräsbeck syndrome (IGS)**
(Beagle, Border Collie)
- 8198** **Junctional epidermolysis bullosa (JEB)**
(German Shorthaired Pointer)
- 8459** **Juvenile epilepsy (JE)**
(Lagotto Romagnolo)
- 8271** **Juvenile laryngeal paralysis & polyneuropathy (JLPP)**
(Black Russian Terrier, Rottweiler)
- 8125** **L-2-hydroxyglutaric aciduria (L-2-HGA)**
(Staffordshire Bull Terrier)
- 8270** **Lagotto storage disease (LSD)**
(Lagotto Romagnolo)
- 8493** **Late onset ataxia (LOA)**
(Jack Russell Terrier, Parson Russel Terrier)
- 8487** **Leonberger polyneuropathy 1 (LPN1)**
(Leonberger)
- 8327** **Leukocyte adhesion deficiency III (LAD-III)**
(German Shepherd)
- 8217** **Macrothrombocytopenia (MTC)**
(Bichon Frise, Boxer, Cairn Terrier, Cavalier King Charles Spaniel, Chihuahua, Cocker Spaniel, Havanese, Jack Russell Terrier, Labrador Retriever, Maltese, Norfolk Terrier, Parson Russell Terrier, Poodle, Shih Tzu)
- 8062** **Malignant hyperthermia (MH)**
(all breeds)
- 8312** **May-Hegglin anomaly (MHA)**
(Pug Dog)
- 8032** **MDR1-gene defect* (Ivermectin hypersensitivity)**
(Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, White Shepherd, Wäller)
- 8306** **Mucopolysaccharidosis type IIIa (MPS3a)**
(Newzealand Huntaway, Wirehaired Dachshound)

Hereditary diseases

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- 8069** **Mucopolysaccharidosis type VII (MPS7)**
(Brazilian Terrier, German Shepherd)
- 8068** **Muscular dystrophy (MD)**
(Cavalier King Charles Spaniel, Golden Retriever, Landseer, Norfolk Terrier)
- 8411** **Musladin-Lueke syndrome (MLS)**
(Beagle)
- 8220** **Myostatin mutation (Bully-gene)**
(Whippet)
- 8022** **Myotonia congenita**
(Australian Cattle Dog, Miniature Schnauzer)
- 8067** **Narcolepsy**
(Dachshound, Dobermann, Labrador Retriever)
- 8429** **Necrotizing meningoencephalitis (NME/PDE)**
(Pug Dog)
- 8457** **Neonatal cortical cerebellar abiotrophy (NCCD)**
(Beagle)
- 8155** **Neonatal encephalopathy with seizures (NEWS)**
(Standard Poodle)
- 8308** **Neuroaxonal dystrophy (NAD)**
(Spanish Waterdog)
- 8075** **Neuronal ceroid lipofuscinosis (NCL)**
(American Bulldog, Australian Cattle Dog, Australian Shepherd, Border Collie, Chihuahua, Chinese Crested, Dachshound, English Setter, Golden Retriever, Tibetan Terrier)
- 8396** **Neuronal ceroid lipofuscinosis (NCL)***
(American Staffordshire Terrier)
- 8215** **Osteogenesis imperfecta (brittle bone disease)**
(Beagle, Golden Retriever, Shorthaired/Wirehaired Dachshound)
- 8462** **Persistent Müllerian duct syndrome (PMDS)**
(Miniature Schnauzer)
- 8017** **Phosphofructokinase deficiency (PFKD)**
(American Cocker Spaniel, English Springer Spaniel, German Spaniel, Whippet)
- 8142** **Pituitary dwarfism**
(German Shepherd, Saalooswolfdog, Czechoslovakian Wolfdog)
- 8476** **Polycystic kidney disease (PKD)**
(Bull Terrier)
- 8053** **Postoperative hemorrhage (P2Y12)**
(Great Swiss Mountain Dog)
- 8141** **Prekallikrein deficiency (KLK)**
(Shih Tzu)
- 8483** **Primary ciliary dyskinesia (PCD)**
(Old English Sheepdog)
- 8321** **Primary Hyperoxaluria (PH)**
(Coton de Tulear)
- 8226** **Primary lens luxation (PLL)**
(American Eskimo Dog, American Hairless Terrier, Australian Cattle Dog, Chinese Crested, Danish Svedish Farmdog, Fox Terrier, Jack Russell Terrier, Jagd Terrier, Lakeland Terrier, Lancashire Heeler, Lucas Terrier, Miniature Bull Terrier, Norfolk Terrier, Norwich Terrier, Parson Russell Terrier, Patterdale Terrier, Pug Dog, Rat Terrier, Sealyham Terrier, Teddy Roosevelt Terrier, Tenterfield Terrier, Tibetan Terrier, Toy Fox Terrier, Volpino Italiano, Welsh Terrier, Westphalia Terrier, Yorkshire Terrier)

- 8452** **Primary open angle glaucoma (POAG)**
(Basset Fauve de Bretagne, Basset Hound, Beagle, Norwegian Elkhound)
- 8492** **Protein losing nephropathy (PLN)**
(Soft Coated Wheaten Terrier)
- 8104** **Pyruvate dehydrogenase phosphatase 1 deficiency (PDP1)**
(Clumber Spaniel, Sussex Spaniel)
- 8015** **Pyruvate kinase deficiency (PK)**
(Basenji, Beagle, Cairn Terrier, Labrador Retriever, Pug Dog, West Highland White Terrier)
- 8301** **Renal Cystadenocarcinoma and nodular fibrosis (RCND)**
(German Shepherd)
- 8150** **Retinal dysplasia (OSD)* Optigen**
(Labrador Retriever, Samoyed)
- 8392** **Retinal dysplasia (OSD)* partnerlaboratory**
(Labrador Retriever)
- 8328** **Severe combined immuno deficiency (SCID)**
(Frisian Water Dog, Jack Russell Terrier, Parson Russell Terrier)
- 8456** **Skeletal dysplasia 2 (dwarfism) (SD2)**
(Labrador Retriever)
- 8537** **Spinocerebellar ataxia (SCA)**
(Fox Terrier, Jack Russell Terrier, Parson Russell Terrier, Tenterfield Terrier)
- 8335** **Spondylocostal dysostosis (Comma defect)**
(Miniature Schnauzer)
- 8191** **Stattle disease**
(Irish Wolfhound)
- 8486** **Thrombopathia**
(Basset Hound, Landseer)
- 8143** **Trapped neutrophil syndrome (TNS)**
(Border Collie)
- 8302** **Vitamin-D dependent rickets (VDR)**
(Pomeranian)
- 8119** **von-Willebrand disease type 1 (vWD I)**
(Bernese Mountain Dog, Coton de Tulear, Dobermann, Drentsche Patrijshond, German Pinscher, Kerry Blue Terrier, Labradoodle, Manchester Terrier, Papillon, Pembroke Welsh Corgi, Poodle, Stabyhoun)
- 8014** **von-Willebrand disease type 2 (vWD II)**
(German Shorthaired Pointer, German Wirehaired Pointer)
- 8233** **von-Willebrand disease type 3 (vWD III)**
(Kooikerhondje, Scottish Terrier, Shetland Sheepdog)
- 8347** **Warburg micro syndrome 1 (WARBM1)**
(Husky)
- 8063** **X-chromosomal severe immuno deficiency**
(Basset, Welsh Corgi)
- 8305** **X-linked myopathy (XL-MTM)**
(Labrador Retriever, Rottweiler)

Progressive retinal atrophy

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- 8574** **Bas-PRA1**
(Basenji)
- 8375** **CNGA1-PRA**
(Shetland Sheepdog)
- 8135** **crd-PRA**
(Wirehaired Dachshound)
- 8332** **crd1-PRA**
(American Staffordshire Terrier)
- 8333** **crd2-PRA**
(American Pitbull Terrier)
- 8042** **Dominant PRA**
(Bull Mastiff, English Mastiff)
- 8451** **Generalized PRA**
(Schapendoes)
- 8209** **GR PRA1**
(Golden Retriever)
- 8520** **GR PRA2**
(Golden Retriever)
- 8573** **pap PRA1**
(Papillon, Phalène)
- 8094** **prcd-PRA* Optigen**
- 8127** **prcd-PRA* partnerlaboratory**
(American Cocker Spaniel, American Eskimo Dog, Australian Cattle Dog, Australian Shepherd, Australian Stumpy Tail Cattle Dog, Bolonka Zwetna, Chesapeake Bay Retriever, Chihuahua, Chinese Crested, English Cocker Spaniel, English Shepherd, Entlebucher Mountain Dog, Finnish Lapphund, German Spitz, Giant Schnauzer, Golden Retriever, Karelian Beardog, Kuvasz, Labradoodle, Labrador Retriever, Lagotto Romagnolo, Lapponian Herder, Markiesje, Norwegian Elkhound, Nova Scotia Duck Tolling Retriever, Portuguese Water Dog, Poodle, Schipperke, Silky Terrier, Spanish Water Dog, Swedish Lapphund, Wäller, Yorkshire Terrier)
- 8042** **rcd1-PRA**
(Irish Setter, Irish Red and White Setter)
- 8042** **rcd1a-PRA**
(Sloughi)
- 8309** **rcd2-PRA**
(Collie)
- 8042** **rcd3-PRA**
(Cardigan Welsh Corgi, Chinese Crested Dog)
- 8435** **rcd4-PRA**
(Australian Cattle Dog, English Setter, Gordon Setter, Irish Setter, Irish Red & White Setter, Polish Lowland Sheepdog, Small Munsterlander, Tibetan Terrier)
- 8444** **Type A-PRA* Optigen**
(Miniature Schnauzer)
- 8445** **XL-PRA* Optigen**
(Samoyed, Siberian Husky)

Test combinations

- 8447 Degenerative myelopathy (DM) exon1 + exon2**
(Bernese Mountain Dog)
- 8344 Degenerative myelopathy (DM) exon2 + MDR1-gene defect***
(Australian Shepherd, Border Collie, Elo, German Shepherd, Longhaired Whippet, McNab, Old English Sheepdog, Rough/Smooth Collie, Shetland Sheepdog, Silken Windhound, Wäller, White Shepherd)
- 8407 Dry eye curly coat syndrome (CCS) + Episodic falling (EF)**
(Cavalier King Charles Spaniel)
- 8310 GR_PRA1 + GR_PRA2 + Ichthyosis***
(Golden Retriever)
- 8277 GR_PRA1 + GR_PRA2 + prcd-PRA* (partnerlaboratory)**
(Golden Retriever)
- 8499 Juvenile epilepsy (JE) + Furnishing + Lagotto storage disease (LSD)**
(Lagotto Romagnolo)
- 8570 Late onset ataxia (LOA) + Spinocerebellar ataxia (SCA)**
(Jack Russell Terrier, Parson Russell Terrier)
- 8571 Late onset ataxia (LOA) + Spinocerebellar ataxia (SCA) + Primary lens luxation (PLL)**
(Jack Russell Terrier, Parson Russell Terrier)

Coat colours / Coat length

- | | |
|---|---|
| 8144 A-locus (alleles: Ay, Aw, at, a) | 8146 EM-locus (melanistic mask allele) |
| 8023 B-locus (brown, chocolate, liver(nose)) | 8195 Furnishing (wire hair) |
| 8124 Coat length I (long or short hair)
Additional gene loci have to be analysed for complete characterisation in the following breeds:
Afghan Hound, Akita Inu, Alaskan Malamute, Chow Chow, Eurasian, Husky, Prague Rattler, Samoyed | 8599 Hairlessness (powderpuff)
(Chinese Crested Dog, Mexican Hairless Dog, Peruvian Hairless Dog) |
| 8397 Coat length II (long or short hair) | 8254 H-locus (harlequin)
(Great Dane) |
| 8196 Curly (curled hair) | 8405 Improper coat
(Portuguese Waterdog) |
| 8136 D-locus (dilution) | 8145 K-locus (test for KB allele only)
(Please note: the alleles kbr (brindle) and ky cannot be determined using this test) |
| 8018 E-locus (apricot, cream, lemon, red, yellow) | 8188 M-locus (merle, cryptic merle) |
| 8458 EG-locus (domino, grizzle)
(Afghan Hound, Saluki) | 8307 Saddle-tan
(Basset Hound, Welsh Corgi) |
| 8180 EH-locus (sable)
(English Cocker Spaniel) | 8438 S-locus* (piebald, white spotting) |

If more than one test is requested we charge 35,71 € for the first and 15,01 € for each additional test (except S-locus).

DNA-profiling ISAG 2006

- 8107 DNA profile (genetic fingerprint)**

Please note: The person collecting the sample should be officially designated or appointed.

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|---|--------------------|-----------------------|
| 8109 Parentage analysis (paternity test) | each parent | each offspring |
|---|--------------------|-----------------------|

A DNA profile of each parent is necessary for parentage verification. If only one parent is available, this should be discussed prior to sample submission.

- | | |
|---|---|
| 8211 Breed determination (database analysis) | 8212 Likelihood ratio calculation (analysis of blood relationship) |
|---|---|

Please note: The test is only valid for certain breeds in our database. Additional information is available at www.laboklin.com or by calling us.

*Partnerlab

In order to allow breeding club discount for the owner please enclose a breeding club membership confirmation with each sample submission. The invoice cannot be altered subsequently.

Supply orders for veterinarians:

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|---------------------------|-------------------------------------|--|
| 1 Serum tubes | 6 Swabs with transp.medium | 14 Histology containers with formalin |
| 2 Citrate tubes | 6a Swabs without transp.med. | 5 Feacal containers |
| 3 EDTA tubes | 6b Container for swabs | 7 Urine containers |
| 3a Heparin tubes | 11 Container for tubes | 1B Eppendorf tubes |
| 4 NaFl tubes | 80 Barcodes | |
| 10 Envelopes large | | |

Submission forms:

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|------------------------------------|------------------------|
| 100 Allergy | 160 Hygiene |
| 110 General | 150 Farm Animal |
| 120 Genetics Dog | 120 Pathology |
| 130 Genetics Cat | 130 Equine |
| 180 Genetics Equine | 140 Reptiles |
| 210 Birds and Small Mammals | |

General terms and conditions:

Prices in Euro excl. VAT; Services offered and prices may be subject to change. Charge is x1.40 if invoice is sent to owner. (exception: combination tests, DNA-profiling and *partnerlab). Samples and anonymised test results can be used for scientific purpose. Please find our complete general terms and conditions of business on www.laboklin.com