

HELP & ADVICE

Accreditation

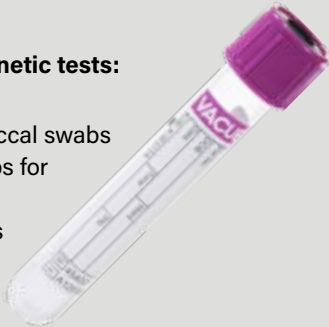
LABOKLIN is an accredited laboratory according to DIN EN ISO/IEC 17025:2018. This means that our tests are always executed according to reliable and verifiable procedures. Thereby, we are not only subject to strict daily controls, but also regular external controls in the form of ring trials. We have also implemented fixed testing and training procedures



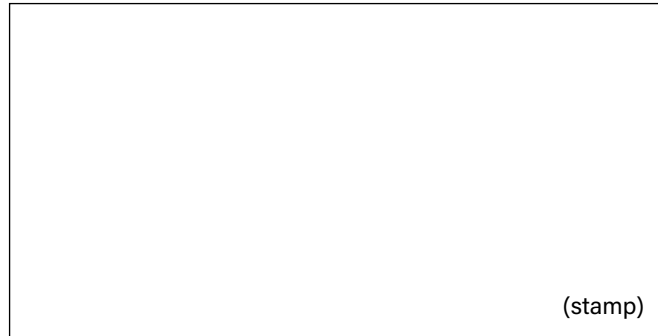
in our laboratory that are regularly reviewed on-site by an accreditation agency. Thus, you are trusting your samples to a lab partner who is committed, with expertise and heart, to providing the highest possible quality of processing and consultancy.

Sample material for genetic tests:

1 ml EDTA blood or 2 buccal swabs per animal, special swabs for LaboGenetics XXL.
Storage of DNA samples for 5 years.



Handed out directly from your vet



(stamp)

Service

This info folder and other useful information is provided [on our website www.laboklin.com](http://www.laboklin.com). Under the heading "Specialist information – Folder Help & Advice" you can read and download this information.



LABOKLIN

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Tel.
Fax
E-mail

Steubenstr. 4
97688 Bad Kissingen
Germany
+49 971 7 20 25 05
+49 971 6 85 46
info@laboklin.com
www.laboklin.com

Lab profile

Name: LABOKLIN GmbH & Co. KG
Office: Bad Kissingen
Founded: 1989
Type: Laboratory for clinical diagnostics
Qualifications: One of the leading laboratories in Europe
Operating in: Europe, Asia, Arabian Peninsula
Team: Over one hundred specialists and veterinarians
Specialty: Research projects at the federal level

LABOKLIN Headquarters Bad Kissingen



LABOKLIN

GENETICS DOG AND CAT



HELP & ADVICE

The modern information series provided by your vet and LABOKLIN

Genetics in veterinary medicine

Today, Labogen, the genetics department of LABOKLIN, offers more than 400 **genetic tests** for hereditary diseases and coat colours as well as complete DNA profiles for dogs, cats and horses. Specialties such as breed identification or species differentiation using unusual sample material complete its portfolio.

Our genetics range

Including the genetics department, Labogen, in the veterinary laboratory, LABOKLIN, offers our customers a **complete package of tests** in the field of veterinary medicine.

LABOKLIN has one of Europe's broadest ranges of self-executed and accredited veterinary tests, especially in the field of genetics. However, it is not possible to perform all the tests in house for various reasons. In these cases, we strive to cooperate with other investigating laboratories.

In addition to the tests for hereditary diseases, coat colours, length and structure, we perform DNA profiles for the aforementioned species according to the ISAG standard. Consequentially, we also offer paternity tests and breed analysis for dogs and cats. Take a look at our homepage where you will find every test we offer sorted by breed.



"Genetics and more"

Beyond genetic tests, we offer our customers a wide range of extended services:

A combination of automated processing of samples and interpretation of the raw data by hand guarantees our customers an extremely high level of **speed and accuracy**.

We advise to test in regards to **"breed specificity for genetic testing"** and dissuade from "untargeted" genetic testing animal's genes for mutations that have only been described in other breeds in connection with disease.

Our numerous contacts with global research facilities ensures that we always are on the cutting edge of **research and technology**. We are also able to give feedback to these facilities about the latest developments in dog or cat breeding, since our



close contact with the breeders keeps us up to date.

All DNA samples we receive are stored in-house. Therefore, our customers can request additional genetic testing without further sampling.

We are always striving to provide the **best possible customer consulting**. Thus, we are reachable by phone Monday to Friday from 9:00 to 18:00 and by e-mail. If you contact us by e-mail, we will individually answer your questions within 24 hours. In addition to the standard procedure for submitting samples, we offer customized solutions for a variety of cases, covering the sample material as well as club-specific examination requirements up to the communication of test results.

Selected genetic tests

- ➔ **Degenerative myelopathy (DM)**
Patent/License LABOKLIN – dog
- ➔ **Exercise-induced collapse (EIC)**
Patent/License LABOKLIN – dog
- ➔ **MDR1 gene variant**
(Ivermectin hypersensitivity – dog)
- ➔ **Primary lens luxation**
(PLL – dog)
- ➔ **Bleeding tendency**
(von Willebrand disease (vWD), Factor VI, VIII and IX (dog), Factor XI (cat))
- ➔ **Progressive retinal atrophy (PRA)** – dog and cat

➔ **Hypertrophic cardiomyopathy (HCM)** – cat

➔ **Coat length/structure** – dog and cat

➔ **Coat colours** – dog and cat

➔ **Numerous breed specific combinations** – dog and cat

➔ **LaboGenetics XXL – cat**
testing of over 50 genetic variants

➔ **DNA profiling**

(according to international ISAG standards)

- DNA profile:
 - Classic STR DNA Profile (ISAG 2006) – cat and dog
 - Premium SNP DNA Profile (ISAG 2020) – dog
- Parentage check
- Breed determination (list of breeds at www.laboklin.com)
- Likelihood

Please find a full overview and details about our genetic tests on our homepage at www.labogen.com



Test requirements

To have your genetic tests performed at LABOKLIN, send the samples, along with the completed Genetics submission form (available online at <http://www.labogen.com>), to us by post or through your local veterinarian. We recommend having your vet collect the samples, as they can also confirm the identity of your animal.

In general, **1 ml of EDTA blood** is the most appropriate sample material. Alternatively, dry swabs (without transport medium) from the oral mucosa can be used in cats and dogs, so called buccal swabs. We will be happy to send such dry swabs to you free of charge. Please note that approximately 5 % of buccal swabs yield no result (depending on the test).

You will receive your results by e-mail or fax or upon request by post. Your invoice will also be sent to you by post or email.