

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 internal 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.



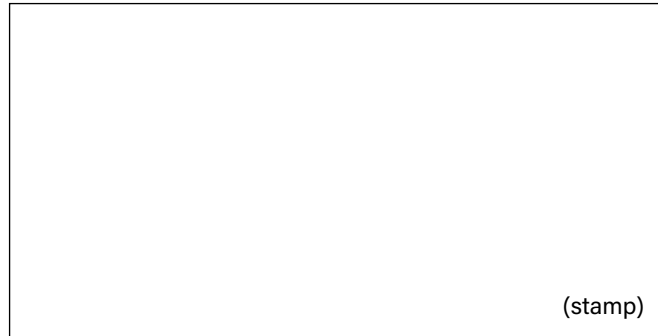
LABOKLIN Headquarters in Bad Kissingen



Laboratory 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
Extra:	Research projects at the federal level

Handed out directly from your vet



Service

This info folder and other useful information is provided **on our website** www.laboklin.com. Under the heading "Specialist information – Folder Help & Advice" you can read and download this information.



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LABOKLIN

Genetics Dog and Cat



Help & Advice

The modern information series provided
by your vet and LABOKLIN

Our genetics range

Labogen, the molecular biology and genetics department of LABOKLIN, offers **more than 400** genetic tests for **hereditary diseases, coat colours** and **genetic risk factors**, as well as complete **DNA profiles** for dogs, cats and horses according to ISAG standard. Those enable us to provide breed determination, parentage check and biostatistical calculation, as well as heterozygosity and genetic diversity within a breed. **Species differentiations**, also using unusual sample material, complete the portfolio. Take a look at our homepage: at **labogen.com** you will find every test sorted by breed.

Genetics in veterinary medicine

Labogen, as a genetics department, is a part of the veterinary laboratory LABOKLIN, and thus, can offer our customers a **complete test service** in the field of veterinary medicine.

LABOKLIN has one of Europe's broadest ranges of self-executed and accredited veterinary tests, especially in genetics. Our numerous contacts with global research facilities ensure 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.

„Genetics and more“

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

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

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 via e-mail, we will individually answer your questions within 24 hours. In addition to the standard procedure for submitting samples, we offer **customised 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 and cat

➔ Primary lens luxation (PLL) – dog

➔ Bleeding tendency (von Willebrand disease (vWD), Faktor VI, VIII, and IX (dog), Faktor 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 for over 50 genetic variants

➔ LaboGenetics XXL – dog testing for over 340 genetic variants

➔ DNA profiling (according to international ISAG standards)

- DNA profile:
 - Classic STR DNA Profile (ISAG 2006) – dog and cat
 - Premium SNP DNA Profile (ISAG 2020) – dog and cat
- Parentage check
- Breed determination
- Biostatistical calculation

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



Test requirements

To have your genetic tests performed at LABOKLIN, please send the samples, along with the completed Genetics submission form to us by post or through your local veterinarian. Tests can be either directly ordered online at <https://shop.labogen.com>, or you can download the submission form.

We recommend having your vet collect the samples, as they can also confirm the identity of your animal and thus the result of the genetic test can also be recognised officially.

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



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



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.

