








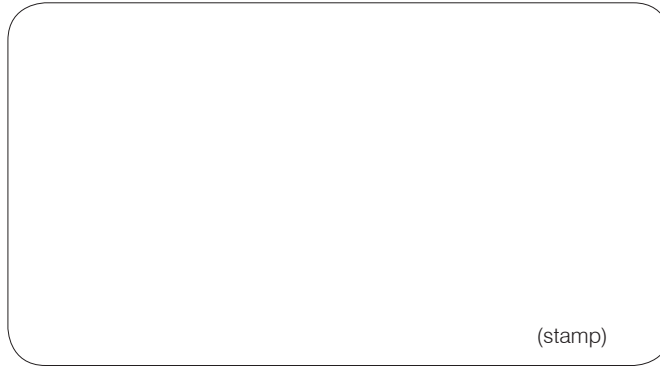
Our quality assurance programme: All procedures are accredited according to DIN /ISO 17025. In addition to a constant panel of internal quality controls all tests are regularly checked with external controls as well, thus producing highest possible standard of quality.

**Topic overview**

-  **Hereditary diseases**
-  **Genetically imprinted characteristics**
-  **Serologic determination of blood group**
-  **Genetic determination of blood group**
-  **DNA-profiles (markers according to ISAG)**



Handed out directly  
from your vet



**Service**

This info-flyer together with further useful information is available for download on [www.laboklin.com/service/Flyer Rat&Tat](http://www.laboklin.com/service/Flyer Rat&Tat).

[www.laboklin.com](http://www.laboklin.com)



Genetics Cat



\* Test performed in a partner laboratory.

**Sample material for all genetic tests:**  
1 ml EDTA blood or two dry buccal swabs for each animal. Cotton swabs for free are available on request.



97688 Bad Kissingen • Steubenstraße 4  
Tel. +49-971/7 20 20 • Fax +49-971/6 85 46  
e-mail: [info@laboklin.de](mailto:info@laboklin.de) • [www.laboklin.com](http://www.laboklin.com)

4058 Basel • Riehenring 173  
Tel. +41-61/319 60 60 • Fax: +41-61/319 60 65  
e-mail: [labor.basel@laboklin.ch](mailto:labor.basel@laboklin.ch) • [www.laboklin.ch](http://www.laboklin.ch)

4040 Linz • Rosenstraße 1  
Tel. +43-732/7172-420 • Fax: +43-732/717322  
e-mail: [labor.linz@laboklin.at](mailto:labor.linz@laboklin.at) • [www.laboklin.at](http://www.laboklin.at)



The name "LABOKLIN" stands for excellence in veterinary laboratory diagnostics and service. We provide the veterinary community with a wide array of high quality laboratory analysis since many years. Besides LABOKLIN provides genetic tests to veterinary professionals, breeders and animal owners. Our DNA testing covers a wide range of inherited diseases as well as analysis of genetically imprinted characteristics. Additionally, we offer DNA profiles, parentage analysis and breed classification.



### Hereditary diseases

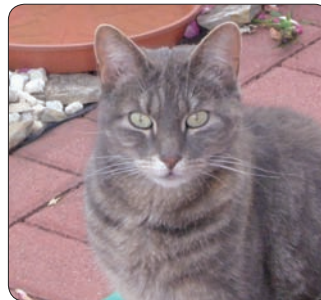
Below please find an overview of the tests we offer especially for cats. For further information do not hesitate to contact us. We continue to offer and develop new genetic tests to keep pace with the growing awareness of the risks associated with inherited diseases and the aim of many breeders, clubs, veterinary professionals and owners to control genetic disorders in various breeds. Please inform us if you do not find the desired test in the list below, contact details can be found on the back of this brochure.



- Gangliosidosis GM 1 / GM 2 in Korat, Oriental Shorthair and Siamese
- Gangliosidosis GM 2 in Burmese (exclusive licence Europe)
- Glycogen storage disease type IV (GSD-IV) in Norwegian Forest Cat
- Head-defect\* in Burmese
- Hypertrophic cardiomyopathy (HCM) in Maine Coon and Ragdoll
- Hypokalemia\* in Burmese
- Polycystic kidney disease (PKD) in Ragdoll, Persian and Persian-related breeds



- Pyruvate kinase deficiency (PK) in Abyssinian, Leopard cat, Ocicat, Singapura and Somali
- Progressive retinal atrophy (rdAcPRA) in Abyssinian, American Curl/Wirehair, Balinese, Colorpoint Shorthair, Cornish Rex, Javanese, Leopard cat, Munchkin, Ocicat, Oriental Shorthair, Siamese, Singapura, Somali and Tonkinese
- Spinal muscular atrophy (SMA) in Maine Coon



### Genetically imprinted characteristics

Often, the decision to buy a cat mainly depends on the look of the cat, which is characterised by coat colour and pattern, as well as coat length. Certain breeds are separated by their appearance, which makes these characteristics crucial features for breed standards. Therefore, genetic tests are important for various cat breeds.

### Coat colour / coat length

- Coat colour variant agouti
- Coat colour variant burmese
- Coat colour amber (Norwegian Forest Cat)
- Coat colour cinnamon

- Coat colour chocolate
- Coat colour variant siamese (point)
- Dilution
- Coat length (short- / longhair)



### Serologic determination of blood group

Serologic testing of the blood group distinguishes blood groups A, B and AB. Prior to any blood transfusion both donor and recipient should be tested to avoid incompatibilities.  
Sample material: exclusively EDTA-blood

### Genetic determination of blood group

Genetic testing of the blood group is helpful prior to selection of mating partners. The test is of special importance in case of possessing group A or AB due to the fact that group A animals can carry and pass on the recessive b gene for group B.

(all breeds except European Shorthair, Neva Masquerade, Ragdoll, Siberian, Turkish Angora)



### DNA-profiles (markers according to ISAG)

DNA-profile (identity)

Parentage testing

Breed analysis (list of breeds: [www.laboklin.com](http://www.laboklin.com))

Likelihood ratio calculation