

Göttingen Minipigs Biological Material

High quality samples

Biological material from Göttingen Minipigs is a unique resource for the early study of cause, prevention and treatment of diseases. All biological materials derive from our established Göttingen Minipigs herds and therefore ensure the same high quality and standards for which Göttingen Minipigs are known:

- A stable genetic background ensured through careful genetic selection and breeding
- Their well-defined health status obtained through isolated barrier-breeding
- Their similarities to humans and availability in large uniform groups
- The availability of comprehensive background data

Did you know...

The stable genetic background of Göttingen Minipigs is ensured through careful genetic selection and breeding. Read more in the paper *"Assessing breed integrity of Göttingen Minipigs"* by Reimer et al. (Doi: 10.1186/s12864-020-6590-4)

The well-defined health status of Göttingen Minipigs is ensured through isolated barrier breeding and documented in the publically available Health Monitoring Reports performed according to FELASA guidelines.

Animal welfare - an important priority

When collecting biological material from Göttingen Minipigs, it is our number one priority to use as few animals as possible and ensure a relaxed and comfortable experience for all parties involved. To fulfil this, our socialising and training programs play a vital role when preparing the minipigs for the process ahead and ensures that they feel safe in the situation. Maintaining a stress-free environment for both animals and staff is key to sustain a high level of animal welfare.

Uncompromised data validity

In Vitro methods are routinely used as they correlate with In Vivo studies, and help in the understanding of a specific In Vivo response in any given species. When obtaining biological materials from Göttingen Minipigs, you are ensured samples from healthy, genetically standardized, and barrier-bred animals, supporting your research and enabling useful and valid research data. Because biological materials derive from the same colony of animals used in In Vivo studies, results achieved in In Vitro research can be transferred to In Vivo studies without compromising data validity.



“ We used biological material to characterize regulation of vascular tone in Göttingen Minipigs artery by selected agonists for sympathetic, parasympathetic, sensory and endothelial pathways and compared our results to rodent and human data. Our findings support the use of Göttingen Minipigs as a preclinical animal model for proof of concept as well as safety pharmacological aspects in the CVD areas in scope in our laboratory.

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Applicable as translational model for all areas of research

Göttingen Minipigs is a well established large animal model for biological studies within all areas of biomedical research, and are fully recognized as a large animal model by regulatory authorities worldwide. Therefore, it is equally important that biological material is available to facilitate and support the importance of In Vitro testing.

Did you know...

Göttingen Minipigs are a reliable animal model for all preclinical studies and research areas:

- Pharmacology, pharmacodynamics, and pharmacokinetics
- Toxicology and safety pharmacology
- Experimental Surgery
- Fundamental science

Sample availability

Biological material from Göttingen Minipigs can be supplied from both genders and all age groups. All derived samples are trackable through our pedigree records and documentation can be accessed upon request.

The most frequently requested biological samples include:

Blood products

- Whole blood, plasma, serum

Biofluids

- Cerebro spinal fluid (CSF), urine, milk, faeces

Tissues and organs

- Skin, liver, kidney, heart, eye, lung, brain

Samples are handled and delivered according to requested specifications, so they arrive in a condition fitting the purpose.

Need other samples? Please contact us with your enquiry at orders@minipigs.dk or +45 5818 5818.



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