

# Experts' knowledge or helping hands in laboratory work

## - BioSiteHisto offers all this and more

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BioSiteHisto is a certified GLP-laboratory that offers high standard services for its customers in the fields of histology, immunohistochemistry, and in vitro research. The range of services makes it possible to use BioSiteHisto's services both in routine laboratory work as well as when in need of high-level professional help.

BioSiteHisto has two authorized laboratories that cover all essential equipments for basic and specialized analyses. Research can be performed under GLP or non-GLP conditions - always maintaining the same high quality. Because the employees have a varying professional background, both routine and more challenging work can be carried out effectively and flexibly, using multi-skilled cooperation. The projects are often designed together with the client, including timeline design and cost estimation.

The laboratory of histology provides a range of services from basic histotechnology to advanced applications of immunohistochemistry for fresh, frozen or fixed tissues. It is possible to use these services for the whole histology process including embedding, processing, sectioning, staining and even histological evaluations, or only selected parts of the process. Various selection of histology stainings ensure that it is possible to get all achievable information from the tissues. BioSiteHisto has a long experience both in routine and special stainings.

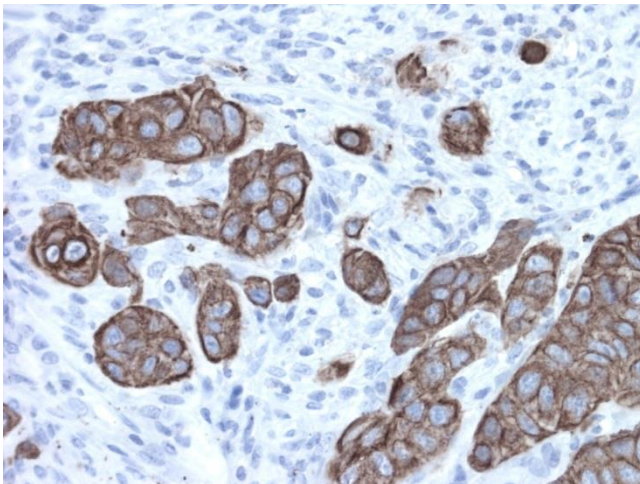
Beside the traditional soft tissue laboratory, BioSiteHisto also has a hard-tissue microtome, as well as cryomicrotome. The hard-tissue laboratory makes it possible to examine bones and other hard-tissues in their native form, without intense decalcification methods. Samples are usually embedded in methyl-methacrylate. Afterwards, the sections can be stained with methods that are designed to bring out the natural structure of bone or other hard-tissues.

One of the significant services and BioSiteHisto's specialty is immunohistochemistry and antibody optimizations. The experts of the company are continuously producing and developing their own products, Optibody™ -antibodies. With the same extensive experience, it is possible to optimize a client's existing protocols or even create new ones, as well as resolve client's possible staining problems, which are quite common due to the complex disposition of immunohistochemistry. Double and multi immunohistochemical stainings are also part of the study field, as well as colocalization and xenograft studies. For CNS-customers the company provides tailored quantitative analyses, and optimal staining protocol for samples of rodents and other animal species.

The **in vitro** laboratory of BioSiteHisto offers modern research and testing methods for safety and efficacy. The client's of the laboratory usually operate in the field of pharmaceutical, chemistry, industry, cosmetic and biotechnology industry, but can also be found in different research institutes or universities. For the studies the company is able to offer a wide range of cell lines and primary cells, from monolayered cultures of single cell types to 3-D models of skin, cornea and other tissues.

One part of the study range are cell and tissue based tests, or so called standard tests, which usually mean skin and eye irritation and skin corrosion tests. Typically these tests are officially validated by OECD or ECVAM. To the same category belongs a cytotoxicity test, which is often obligatory to perform as a part of medical device testing strategies. Commonly these standardized tests have to be carried out for regulatory purposes. These test applications also offer an alternative method to animal testing.

Based on strong expertise in cell biology and toxicology, the staff is also able to develop tailor-made studies and assays. If needed, the whole project could be managed by them - including consultation, project and cost planning, performance and monitoring and the final report. Confidentiality is part of the main values when working with the clients. This might be the fact that separates BioSiteHisto from other companies in the field.



*BioSiteHisto also performs xenograft studies*