



Special customized Services for Tests of Genetic Toxicology

The new molecules and substances of the **pharmaceutical, chemical and cosmetic industry** afford an increasing demand of assays providing rapid results and requiring only **small amounts of test material**. The guideline conform performance of genetic toxicology tests is generally difficult for products that are at an early stage of development as often only little amounts are available due to their complex manufacturing procedures as well as high manufacturing costs. As one of the core philosophies of our company is the continuous improvement of our customers' service, **BSL BIOSERVICE** offers **miniaturized and screening tests** of the standard testing battery e.g. the **bacterial reverse mutation test (AMES test)**, the **mouse lymphoma test** and the ***in vitro* micronucleus test**. Within this portfolio most test designs can be adapted to the special requirements of the customer.

Of course these **miniaturized and screening variations** can be performed under **GLP** conditions.

BSL BIOSERVICE one of the very few CRO's in Europe offering *in vivo* Micronucleus Test with FACS analysis

The ***in vivo* micronucleus test** is one of the most important assays in genetic toxicology to detect clastogenic and aneugenic effects caused by the test materials. For chemicals and pharmaceuticals the ***in vivo* micronucleus test** is one of the mandatory studies. For **medical device testing** the FDA prefers the combination of **bacterial reverse mutation assay (AMES test)** and the ***in vivo* micronucleus** as test strategy.

For the ***in vivo* micronucleus test** **BSL BIOSERVICE** is using FACS analysis for the evaluation of results. FACS analysis allows the examination of a range of endpoints and supports the customer with detailed information. So far **BSL BIOSERVICE** is one of a few CRO's in Europe and the only CRO in Germany offering the ***in vivo* micronucleus test with FACS analysis**.

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