



## Genetic Toxicology

Eurofins BioPharma Product Testing Munich has more than 25 years of experience in performing biological safety and activity testing, including a broad range of Genetic Toxicology Studies.

Our certified team has great expertise in testing pharmaceuticals, chemicals, agrochemicals and mixtures as well as medical devices.

Eurofins BioPharma Product Testing Munich will provide the scientific resources and expertise you need. Our laboratory team has extensive experience, not only in serving the testing needs of diverse clients, but also in conducting *in vitro* assay validation studies. Our familiarity with an array of different *in vitro* test systems enables us to provide contract testing services using the optimum assays to answer specific product safety and efficacy questions.

Besides the standard testing battery we offer individual advice concerning your specific project with regard to scientific and regulatory requirements.

We will provide you with the most reliable and timely results possible.



### Customized Test Designs

The increasing number of new molecules synthesized in the pharmaceutical, chemical and cosmetic industries demands exceedingly the use of assays providing rapid results and requiring only small amounts of test material.

To respond to these market requirements, Eurofins BioPharma Product Testing Munich offers miniaturized and screening tests of the standard testing battery.

### Gene Mutation

- Bacterial Mutation – Ames Mutagenicity (OECD 471)
- Mammalian Mutation Assay: Mouse Lymphoma Assay (OECD 490)
- HPRT-Test (OECD 476)
- Pig-a Assay

### Chromosome Damage *in vitro* Cytogenetics

- Micronucleus Assay (Chinese Hamster Cell) (OECD 487)
- Micronucleus Assay (Human Lymphocyte) (OECD 487)
- Chromosome Aberration Test (Chinese Hamster Cells) (OECD 473)
- Chromosome Aberration Test (Human Lymphocytes) (OECD 473)
- Unscheduled DNA Synthesis (UDS) Test (Mammalian Liver Cells) (OECD 482)

### *in vivo* Cytogenetics

- Micronucleus Assay (Peripheral Blood) (Rat or Mouse) (OECD 474)
- Micronucleus Assay (Bone Marrow) (Rat or Mouse) (OECD 474)
- Chromosome Aberration Test (Mammalian Bone Marrow) (OECD 475)
- Unscheduled DNA Synthesis (UDS) Test (Mammalian Liver Cells) (OECD 486)

### Additional Tests

- Comet Assay (OECD 489)
- Embryonic Stem cell Test
- Syrian Hamster Embryo (SHE) Cell Transformation Assay
- Drug uptake *in vitro*
- *in vitro* Hepatocytes Proliferation Assay (mouse, rat, dog, human)
- Sponsor specific Assay Establishment

Several standard tests are available as Top Priority Version with outstanding short turnaround time.

Our tests comply with the current international guidelines (e.g. ICH, US-FDA, ISO, EMEA, OECD) and are performed in accordance with GLP (Good Laboratory Practice) to ensure their acceptability worldwide.

### Global Services:

Toxicology & Pharmacology  
Immuno- & Bioanalytics  
Raw Materials  
Bio-/Pharmaceutical Product Testing (GMP)  
Microbiology  
Bioassay / Biacore  
Biocompatibility according to ISO 10993  
Professional Scientific Services

### Our Sites in Germany:

Eurofins BioPharma Product Testing Munich GmbH  
Behringstraße 6-8  
D-82152 Planegg near Munich

Eurofins Fintelmann & Meyer GMP GmbH  
Großmoorbogen 25  
D-21079 Hamburg

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