



## Genetic Toxicology

Eurofins BioPharma Product Testing Munich has more than 30 years of experience in performing biological safety and activity testing, including a broad range of Genetic Toxicology Studies.

Our team has great expertise in testing:

- Pharmaceuticals
- Chemicals
- Agrochemicals
- Medical Devices

Our tests comply with international guidelines:

- ICH
- OECD
- ISO
- US-FDA
- EMEA

And are performed in accordance with GLP to ensure their acceptability worldwide.

### Gene Mutation

- Ames Test – OECD 471
- Mouse Lymphoma Assay – OECD 490
- HPRT Test – OECD 476
- Pig-a Assay



### Chromosome Damage

*in vitro*

- Micronucleus Assay – OECD 487
  - Chinese Hamster Cells
  - Human Lymphocytes
- Chromosome Aberration Test – OECD 473
  - Chinese Hamster Cells
  - Human Lymphocytes
- 3D Skin Model combined with Micronucleus Assay – *EpiDerm® Model*

*in vivo\**

- Micronucleus Assay (rat or mouse) – OECD 474
  - Peripheral Blood
  - Bone Marrow
- Chromosome Aberration Test – OECD 475
  - Bone Marrow

### DNA Strand Breaking Properties

- Comet Assay – OECD 486
  - *in vitro*: (e.g. Chinese Hamster Cells) – sponsor specific assay establishment
  - *in vivo\**: Stomach, Gut, Liver, Spleen, Kidney – sponsor specific assay establishment
- Combination of Micronucleus Assay and Comet Assay
- 3D Skin Model combined with Comet Assay – *Phenion® model*

### Additional Tests

- Embryonic Stem Cell Test
- Drug Uptake *in vitro*
- Hepatocyte Proliferation Assay *in vitro*
  - mouse, rat, human

Your genotoxicity test is not listed or you need a specific assay establishment? We offer:

- Sponsor specific assay establishment
- Customization of established assays to ensure optimal testing conditions.

*\*All in vivo assays are performed by our partner lab*

### 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 Site in Germany:

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