



About IPMC-TMC

CONFIDENTIALITY

CONTACT

**MAMMALIAN
TOXICOLOGY:**

- Standard Programs for Pharmaceuticals, AG-Products and Industrial Chemicals
- Renal Toxicology

ECOTOXICOLOGY:

- Aquatic Ecotoxicology
- Terrestrial Ecotoxicology
- Beneficial Organisms

SPECIALITIES:

- Complete Packages
- Study Monitoring
- Consulting
- Tailored Solutions
- Prospective Studies / Investigative Toxicology

**INTEGRATED PEST
MANAGEMENT
CONSULTING
&
TOXICITY MECHANISMS
CONSULTING**

**IPMC-TMC GmbH
SWITZERLAND**

Our hallmarks:

- *Scientific Excellence*
- *Dependability*
- *Rapid And Exact Reporting*
- *High Customer Interaction*
- *Optimal Customer Consulting*

INFORMATION

About IPMC-TMC GmbH

IPMC-TMC is a small company located near Kreuzlingen, Switzerland, i.e. approximately 70 km (40 minutes) drive from Zurich-Airport *en route* to Konstanz Germany. The company consists of a team of toxicologists/biologists with a combined experience base of more than 20 years in Beneficial Organisms, Aquatic, Terrestrial and Mammalian Toxicology (Renal Toxicology). IPMC-TMC offers complete solutions for compound testing, study monitoring, problem based consulting or experimental solutions tailored to customers needs.

CONFIDENTIALITY

Unless stipulated otherwise, all activities of IPMC-TMC are covered by confidentiality agreements set up for each individual customer. If necessary, all documentation will be filed and stored according to GLP requirements

CONTACT

For more information or a quote/availability for a given study please contact:

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MAMMALIAN TOXICOLOGY

STANDARD PROGRAMS FOR PHARMACEUTICALS, AG-PRODUCTS AND INDUSTRIAL CHEMICALS

IPMC-TMC in association with various GLP certified contract laboratories performs the complete standard programs as required by EPA, FDA, J-MHW, METI, EU and OECD for pharmaceuticals, AG-products and industrial chemicals (see [Complete Packages](#)).

- For **Pharmaceuticals** this includes nearly all pre-clinical safety assessments (Toxicology, Pharmaceutical Quality Control, Analytical Chemistry, Genotoxicity/Cytotoxicity, Pharmacology, Pharmacokinetics/ADME, Implant Studies, Animal Breeding, Regulatory Affairs and Consulting)
- For **AG-Products** this includes all the appropriate tests in compliance with current regulations (Toxicology, Analytical Chemistry/Residue Analysis, Physico/Chemical Properties, Kinetics/ADME, Ecotoxicology, Environmental Fate and Behavior, Regulatory Affairs and Consulting)
- For **Industrial Chemicals** this includes all necessary tests performed for Material Safety Data Sheets, Health and Environmental Risk Assessments, Notification of Chemicals (Base Set) for any country in the world in which the product should be marketed (Toxicology, Analytical Chemistry, Genotoxicity, Physico/Chemical Determinations, Ecotoxicology, Regulatory Affairs and Consulting)

RENAL TOXICOLOGY

One of IPMC-TMC's strengths is their long experience in renal toxicology and carcinogenesis. Thus IPMC-TMC offers standard programs, tailored solutions, and investigative toxicology using *in vivo* and *in vitro* approaches in conjunction with collaborating GLP certified contract and academic research laboratories. IPMC-TMC also offers initial pathological assessment of kidney sections from an experienced toxicologist specialized in renal pathology (toxicology and carcinogenesis).

AQUATIC ECOTOXICOLOGY

LABORATORY BIOASSAYS

- Effects on alga growth
- Water flea (*Daphnia*)
 - Acute toxicity & acute immobilization
 - Chronic toxicity (Reproduction inhibition and immobilization)
- Fish
 - Acute toxicity (static, semistatic or flow-through)
 - Chronic/prolonged toxicity (semistatic or flow-through)
 - Juvenile growth test
 - Early life-stage toxicity
 - Life cycle test
 - Bioaccumulation (radioactive or non-radioactive)
- Amphibians
 - Embryo prolonged toxicity test (semistatic or flow-through)
 - Embryo growth test (FETAX)
 - Early life-stage toxicity and teratogenicity test (FETAX)
 - Bioaccumulation in embryos (radioactive or non-radioactive)
- Sediment dwelling and other aquatic organisms (e.g. *Chironomus*)
 - Acute toxicity on larvae
 - Development & emergence
(other aquatic insects upon request and designed according to needs)
- Molluscs
 - Acute toxicity (static, semistatic or flow-through)
 - Prolonged toxicity (semistatic or flow-through)
 - Reproduction inhibition
 - Juvenile growth test
 - Early life-stage toxicity test
 - Bioaccumulation (radioactive or non-radioactive)
- Aquatic plant toxicity testing

OUTDOOR TRIALS

- Mesocosm studies in outdoor artificial ponds

TERRESTRIAL ECOTOXICOLOGY

Soil organisms

- Earthworms (acute & sublethal toxicity, radioactive or non-radioactive bioaccumulation, laboratory and field testing)
- Springtails
- Soil microflora
- Non-target plants

Non-target arthropods

- Bees (acute toxicity, brood feeding test, semi-field and field testing)
- Beneficial arthropods (laboratory, extended laboratory, semi-field & field testing):
 - Parasitoids (e.g. *Aphidius rhopalosiphi*)
 - Predatory mites (e.g. *Typhlodromus pyri*)
 - Ground dwelling predators (e.g. *Poecilus cupreus*)
 - Foliage dwelling predators (e.g. *Chrysoperla carnea*)

Birds

(acute oral, dietary & subchronic toxicity, effects on reproduction)

SPECIALITIES

COMPLETE PACKAGES

IPMC-TMC takes over the complete responsibility for a product from the client. IPMC-TMC will then perform the standard programs as required (EPA, FDA, J-MHW, MITI, EU and OECD) for AG-Products, Industrial Chemicals and Pharmaceuticals. This includes single dose and repeated dose toxicity in all main species for a given testing area (Toxicology, Aquatic Ecotoxicology, Terrestrial Ecotoxicology, Beneficial Organisms) by various application routes. These activities also include fertility and reproduction studies as well as pathology in case of kidney specific studies (see Renal Toxicology).

These standard programs will not be carried out by IPMC-TMC directly but will be subcontracted to GLP-certified contract laboratories of our choice, i.e. those laboratories that have demonstrated excellence in planning, implementation, evaluation and reporting in our past experience. IPMC-TMC will plan, direct and monitor the studies and carry out the final reporting *in lieu* of the client and ensures the highest quality achievable for the client. This will secure optimal realization of the client interests with negligible workload and therefore highly efficient product management for the client.

STUDY MONITORING

You have chosen a contract laboratory of your preference for a given study type. IPMC-TMC will provide you with a dedicated study monitor who will ensure the highest achievable quality in study design, study protocol, study implementation, data logging, data intermediate reporting, data interpretation and final reporting & filing. In addition to securing scientific excellence and adherence to GLP standards, the IPMC-TMC study monitor will maintain close contact with the customer and the contract laboratory to ensure adherence to previously agreed upon time schedules.

CONSULTING

You present the specific problem and IPMC-TMC provides you with expert advice for achieving the best possible solutions in a cost and time efficient manner. Due to the high interaction of IPMC-TMC with the customer representative, highest achievable customer satisfaction is guaranteed:

- all steps to be taken will be laid out and agreed upon beforehand
- results achieved and potential ramifications of the data obtained will be discussed in detail and presented as a written document at every step taken
- Final documentation and reporting will be provided in the format required by the customer for filing with the respective governmental institutions

TAILORED SOLUTIONS

There is an increasing demand to obtain more detailed information from toxicity studies while reducing both the numbers of animals used and the discomfort induced by experimental techniques. In many cases regulatory authorities would like to see additional studies, usually not standardized protocols, for enhanced clarification of specific findings. IPMC-TMC provides support in developing tailored studies to address these needs together with the client.

PROSPECTIVE STUDIES / INVESTIGATIVE TOXICOLOGY

Frequently the client is faced with a finding in the standard testing program that cannot be answered based on the present experience base. However, it is realized that the regulatory authorities would ask for an improved clarification of the finding in order to accept the data presented for risk characterization and assessment. IPMC-TMC will discuss the situation with the client and propose additional strategies in order to resolve the situation in a time- and cost efficient manner.