



**ACUTE AND PROLONGED
TOXICITY TESTS WITH FISH**

STRONGER TOGETHER

Welcome to Eurofins Agrosience Services

We are a leading provider of product development consultancy and technical support to the crop protection industry. Our technical activities involve conducting field and laboratory studies to determine the safety and efficacy of new agrochemicals and crop varieties. With over 25 years of experience, Eurofins Agrosience Services offers outstanding technical knowledge and project management skills. By acquiring a carefully selected range of CRO's, we have created a unique portfolio of expertise that provides analytical, regulatory and field support to plant breeders, agrochemical, biopesticide, biocide and fine chemical manufacturers.

The toxic effects of plant protection products (PPPs), pharmaceuticals and chemicals on fish are tested in accordance with the latest OECD and OPPTS guidelines.

Acute toxicity studies

The tests are performed according to OECD 203 or OPPTS 850.1075. The tests can be performed with the following species:

- Rainbow trout (*Onchorynchus mykiss*)
- Zebrafish (*Danio rerio*)
- Carp (*Cyprio carpio*)

Long-term toxicity studies

The following long-term toxicity studies can be performed with Rainbow trout, Zebrafish and Carp:

- Prolonged toxicity test (OECD 204)
- Bioconcentration test (OECD 305)
- Fish juvenile growth test (OECD 215)

The following long-term toxicity studies can be performed with Zebrafish:

- Early life stage toxicity test (OECD 210)
- Short term toxicity testing on embryo and sac-fry stages (OECD 212)
- Fish juvenile growth test (OECD 215)

General facts:

- Zebrafish is cultured and reared in-house
- Local suppliers are sourced for rainbow trout and carp
- All tests can be performed static, semi-static or under flow-through conditions
- Six new systems including forty aquaria each are available for flow-through conditions
- Different pump systems for application are available (peristaltic-, HPLC-, diaphragm metering pumps)
- All rooms are state-of-the-art temperature controlled

Eurofins Scientific Group

Eurofins Scientific is a life sciences company that serves a wide range of industries including the pharmaceutical, agricultural, food and environmental sectors.

Today the Eurofins Group is a leading provider of analytical services with:

- An international network of 150 laboratories across 30 countries in Europe, the USA, Asia and South America
- About 9,500 staff
- A portfolio of over 40,000 reliable analytical methods
- More than 80 million assays per year to establish the safety, composition, authenticity, origin, traceability, identity and purity of biological substances



Flow-through system



Rainbow trout



Cyprine carpio