



ALGAE AND AQUATIC PLANTS

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 to algae and aquatic plants are tested in accordance with the latest OECD and OPPTS guidelines.

Algae

Effects on algae growth are assessed as per OECD 201 guideline or OPPTS 850.5400. To meet all requirements, we offer the following in-house cultured species:

- Green algae:
 - Desmodesmus subspicatus*
 - Pseudokirchneriella*
- Blue Green algae:
 - Anabaena flos-aquae*
 - Synechococcus leopoliensis*
- Diatoms:
 - Navicula pelliculosa*
- Sea Water Diatoms:
 - Skeletonema costatum*

Aquatic Plants

The effects of duckweed on plant growth are commonly assessed on the species *Lemna gibba* or *Lemna minor* as per OECD guideline 221 (including recovery phase). To accommodate any special requests, we have ten different *Lemna* species cultured in-house under sterile conditions.

In addition, we are experienced in different test designs with *Myriophyllum aquaticum*, *M. spicatum* and *M. sibiricum*, performing sediment-free tests, higher TIER tests in water-sediment systems and species sensitivity tests. All species are cultured in-house. Due to active participation in different ring testing groups (AMRAP, UBA), you can be confident that any advice given on test designs is based on the latest opinion and advancement in the industry. Other aquatic plants can be tested on demand.

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



Lemna gibba culture



Test units for algae tests



Myriophyllum culture