



## Algae and aquatic plants

### Welcome to Eurofins Agrosience Services

The toxic effects of plant protection products (PPPs), pharmaceuticals and other chemicals (e.g. REACH) to algae and aquatic macrophytes are assessed 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* and *Pseudokirchneriella subcapitata*
- Blue Green algae: *Anabaena flos-aquae*
- Diatoms: *Navicula pelliculosa*

#### Aquatic Plants

Toxic effects on growth of aquatic macrophytes are commonly assessed on the species *Lemna gibba* or *Lemna minor* according to OECD guideline 221. Recovery of plants is often an important issue and can be included in the studies.

As additional macrophyte species we offer growth inhibition tests with *Myriophyllum spicatum* according to OECD guideline 239 (water-sediment test) or OECD guideline 238 (sediment-free test).

In addition we perform tests with *Glyceria maxima* and other species. Due to active participation in different ring tests and guideline working group we are highly experienced in this field of activity and you can be confident that any advice given on test designs is based on the latest opinion and advancement in the industry.



We also offer higher TIER tests with aquatic macrophytes in water-sediment systems and for species sensitivity distribution approach. Several species are cultivated in our laboratory like *Spirodela polyrhiza*, *Lemna trisulca*, *Wolffia arrhiza*, *Myriophyllum aquaticum*, *Myriophyllum sibiricum*, *Ceratophyllum demersum* and *Cabomba aquatica*.

Other aquatic plants can be tested on demand.

**Eurofins Agrosience services is part of Eurofins Scientific; a leading provider of analytical services.**

The Agrosience Group offers unparalleled expertise to the crop protection industry; with over 750 staff globally and more than 80 fully owned facilities across 25 countries, we are committed to developing and growing in order to meet the needs of the Agrosience industry.

**Eurofins Agrosience Services Group**

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