

DAPHTOXKIT F

Daphnia Toxicity TEST



24-48 h mobility inhibition test with the freshwater crustacean *Daphnia magna*

Conform with ISO Standard 6341
and OECD Guideline 202

The DAPHTOXKIT F contains all the materials
to perform **six acute toxicity tests**



The test organisms are included in the kit as **dormant eggs (ephippia)** which can easily be hatched on demand in 72h, to supply the live biota for the conduct of the Daphnia toxicity test

Standardised and culture-independent small-scale bioassays with the freshwater crustacean *Daphnia magna*

DAPHTOXKIT F applicable for toxicity screening of chemicals - effluents - sediment pore waters and elutriates - surface and groundwaters - wastewaters and other research applications



24-48 h Daphnia Toxicity Test For Toxicity Screening of
Chemicals - Effluents - Sediment pore waters and elutriates
Surface and Groundwaters - Wastewaters

CONTENTS OF THE DAPHTOXKIT F

The DAPHTOXKIT F contains all materials to perform six complete acute toxicity tests with the freshwater crustacean *Daphnia magna*.

- Tubes with ephippia, concentrated hatching and toxicant dilution medium, hatching and test containers and micropipettes for the transfer of the organisms
- Detailed Standard Operating Procedure, data scoring sheets
- Quality Control specification sheet

REPRODUCIBILITY

COST-EFFECTIVENESS

USER-FRIENDLINESS

- Ephippia can be hatched on demand, eliminating the cost of continuous culturing and maintenance of test organisms.
- Ephippia of high quality produced in strictly controlled conditions preclude variability associated with recruitment/maintenance of live stocks in conventional bioassays.
- Shelf life of ephippia is guaranteed for several months when stored properly, reducing test scheduling constraints.
- The Daphtoxkit F has easy to follow instructions for the conduct of the toxicity test.
- Minimal equipment and space is needed for the test performance: light table - incubator with lights - conventional laboratory glassware.

SENSITIVITY

VALIDATION

- The sensitivity of the daphnids hatched from ephippia is comparable to the sensitivity of Daphnia originating from laboratory cultures.
- The Daphtoxkit test is used in many environmental laboratories and research institutes worldwide and is validated by extensive international interlaboratory comparisons.
- The DAPHTOXKIT F strictly adheres to the protocols for regulatory testing prescribed by international organisations; ISO Standard 6341 and OECD Guideline 202.
- A substantial number of publications, posters, reports and reviews can be found on www.microbiotests.com