

OSTRACODTOXKIT F F

Ostracod sediment Toxicity TEST

6 days mortality and growth inhibition test with
the benthic freshwater ostracod

Heterocypris incongruens

Conform with ISO Standard 14371

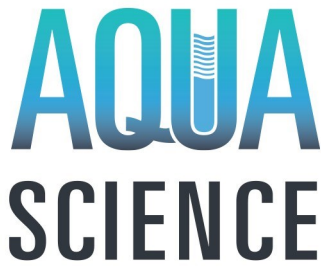
The OSTRACODTOXKIT F contains all the materials to per-
form **three up to five chronic direct contact sediment tox-
icity tests**

The test organisms are included in the kit as cysts
(dormant eggs) which can easily be hatched on
demand in less than 48h, to supply the live biota for the
conduct of the toxicity test

Standardised and culture-independent small-scale bioas-
says with the freshwater ostracod
crustacean *Heterocypris incongruens*

OSTRACODTOXKIT F applicable for toxicity
screening of contaminated river sediments - soils - solid
wastes and other research applications





OSTRACODTOXKIT F F

6 days Ostracod Sediment Toxicity Test For Toxicity Screening of Contaminated River Sediments - Soils - Solid wastes

CONTENTS OF THE OSTRACODTOXKIT F

The OSTRACODTOXKIT F contains all materials to perform 3 to 5 complete chronic toxicity tests with the freshwater ostracod *Heterocypris incongruens*.

- Tubes with cysts, concentrated hatching and test medium, hatching and test containers, reference sediment, glass micropipettes for the transfer of the organisms, algal food, micrometer slips, wide mouth pipettes and a microsieve.
- Detailed Standard Operating Procedure, data scoring sheets
- Quality Control specification sheet

REPRODUCIBILITY

COST-EFFECTIVENESS

USER-FRIENDLINESS

- Cysts can be hatched on demand, eliminating the cost of continuous culturing and maintenance of test organisms.
- Cysts of high quality produced in strictly controlled conditions preclude variability associated with recruitment/maintenance of live stocks in conventional bioassays.
- Shelf life of cysts is guaranteed for several months when stored properly, reducing test scheduling constraints.
- Live (algal) food for the test organisms is easily obtained from algal beads included in the kit.
- The Ostracodtoxkit F has easy to follow instructions for the conduct of the toxicity test.
- Minimal equipment and space is needed for the test performance: dissection microscope - incubator with lights - conventional laboratory glassware - tabletop centrifuge.

SENSITIVITY

VALIDATION

- The sensitivity of the Ostracodtoxkit F compares favourably with other direct contact sediment toxicity tests with e.g. the amphipod *Hyalella azteca* and the midge larvae *Chironomus riparius*.
- The test is used in many environmental laboratories and research institutes worldwide and has been validated by an extensive international interlaboratory comparison.
- The OSTRACODTOXKIT F strictly adheres to the protocols for regulatory testing prescribed by international organisations; ISO Standard 14371.
- A substantial number of publications, posters, reports and reviews can be found on www.microbiotests.com