



## FRESHWATER ROTIFER TOXICITY TEST

**24 h mortality test with the freshwater rotifer *Brachionus calyciflorus***

**Conform with ISO Standard 19827**

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

The test organisms are included in the kit as cysts (dormant eggs) which can easily be hatched on demand in less than 20 h, to supply the live biota for the conduct of the toxicity test



Standardised and culture-independent small-scale bioassays with the freshwater rotifer *Brachionus calyciflorus*

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



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## **24 h Freshwater Rotifer Toxicity Test For Toxicity Screening of Chemicals - Effluents - Sediment pore water and elutriates - Surface and Groundwaters - Wastewaters**

### **CONTENTS OF THE ROTOXKIT F**

The ROTOXKIT F contains all materials to perform six complete acute toxicity tests with the freshwater rotifer *Brachionus calyciflorus*

- Tubes with cysts, 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**

- 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.
- The Rotoxkit 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.

#### **SENSITIVITY**

#### **VALIDATION**

- The Rotoxkit F is used in many environmental laboratories and research institutes worldwide.
- The ROTOXKIT F strictly adheres to the protocols for regulatory testing prescribed by international organisations; ISO Standard 19827.
- A substantial number of publications, posters, reports and reviews can be found on [www.microbiotests.com](http://www.microbiotests.com)