

ROTOXKIT f CHRONIC

FRESHWATER rotifer CHRONIC Toxicity TEST



48 h chronic reproduction test

with the freshwater rotifer

Brachionus calyciflorus

Conform with ISO Standard 20666

The ROTOXKIT F chronic contains all the materials to perform **three short-chronic toxicity tests**

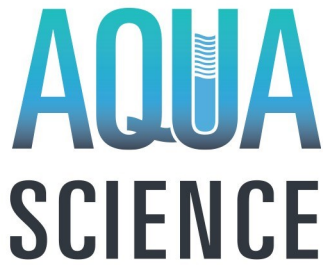
The test organisms are included in the kit as cysts (dormant eggs) which can easily be hatched on demand in less than 20 h, to supply the live biota for the conduct of the toxicity test

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 applica-
tions





ROTOXKIT f CHRONIC

48 h Freshwater Rotifer Chronic Toxicity Test For Toxicity
Screening of

Chemicals - Effluents - Sediment pore water and elutriates -
Surface and Groundwaters - Wastewaters

CONTENTS OF THE ROTOXKIT F CHRONIC

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

- Tubes with cysts, tubes with live microalgae immobilised in algal beads, a vial with matrix dissolving medium, tubes with dry Spirulina, concentrated hatching and toxicant dilution medium, lugol fixative, 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.
- Live algal food for the test organisms is easily obtained from algal beads included in the kit.
- The Rotoxkit F chronic 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 Rotoxkit F chronic is used in many environmental laboratories and research institutes worldwide.
- The ROTOXKIT F chronic strictly adheres to the protocols for regulatory testing prescribed by international organisations ISO Standard 20666.
- A substantial number of publications, posters, reports and reviews can be found on www.microbiotests.com