



MARINE ROTIFER TOXICITY TEST



24-48 h mortality test with the marine rotifer *Brachionus plicatilis*

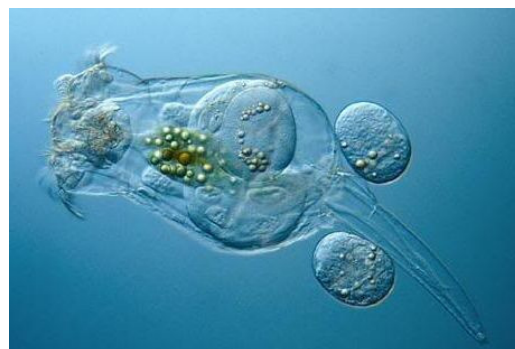
Conform with ISO Standard 19820

The ROTOXKIT M 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 26h, to supply the live biota for the conduct of the toxicity test

Standardised and culture-independent small-scale bioassays with the marine rotifer *Brachionus plicatilis*

ROTOXKIT M applicable for toxicity screening of chemicals - contaminated coastal and estuarine waters - effluents or elutriates with high conductivity values - marine sediment pore waters and elutriates and other research applications



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24-48 h Marine Rotifer Toxicity Test For Toxicity Screening of
Chemicals - Contaminated Coastal and Estuarine waters -
Effluents or Elutriates with high conductivity values -
Marine Sediment pore waters and elutriates

CONTENTS OF THE ROTOXKIT M

The ROTOXKIT M contains all materials to perform six complete acute toxicity tests with the marine rotifer *Brachionus plicatilis*.

- 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 M 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

- *Brachionus plicatilis* is a euryhaline species which allows to perform bioassays on waters in salinity ranging from 5 ppt (brackish water) to 35 ppt (seawater).
- The Rotoxkit M is used in many environmental laboratories and research institutes worldwide for standardised screening of environmental samples.
- The ROTOXKIT M strictly adheres to the protocols for regulatory testing prescribed by international organisations; ISO Standard 19820.
- A substantial number of publications, posters, reports and reviews can be found on www.microbiotests.com