

ROTOXKIT M

Marine rotifer Toxicity TEST



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

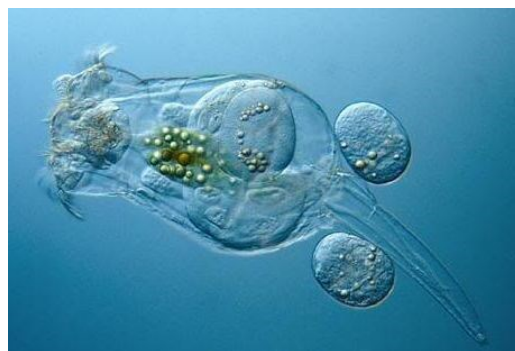
Conform with ISO Standard 19820

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

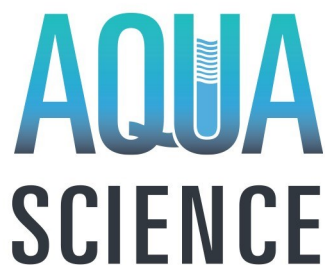
Standardised and culture-independent small-scale bioassays with the marine rotifer *Brachionus plicatilis*

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



MICROBIOTESTS

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ROTOXKIT M

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