



ARTEMIA TOXICITY TEST



24 h mortality test with the marine crustacean *Artemia franciscana*
(formerly named *Artemia salina*)

The ARTOXKIT 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 30h, to supply the live biota for the conduct of the toxicity test

Standardised and culture-independent small-scale bioassays with the marine crustacean *Artemia franciscana*



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



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

CONTENTS OF THE ARTOXKIT M

The ARTOXKIT M contains all materials to perform six complete acute toxicity tests with the marine crustacean *Artemia franciscana*.

- 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 Artoxkit 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

- One of the most euryhaline test species which allows to perform bioassays on waters in salinity ranging from 10 ppt (brackish water) to 35 ppt (seawater).
- The ARTOXKIT M is used in many environmental laboratories and research institutes worldwide for standardised screening of environmental samples and chemicals in a regulatory framework.
- A substantial number of publications, posters, reports and reviews can be found on www.microbiotests.com