

ARTEMIA TOXICITY TEST



24 h mortality test with the marine crustacean *Artemia franciscana*

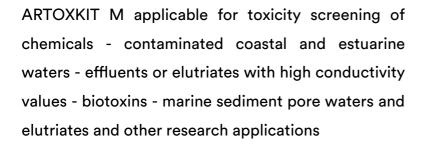
(formerly named Artemia salina)

The ARTOXKIT M contains all the materials to perform six acute toxicity tests

The test organisms are included in the kit as <u>cysts</u> (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









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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