

MODERNWATER

Microtox[®] M500

Industry-leading toxicity detection

The Microtox[®] Model 500 (M500) analyser is a laboratory-based, temperature-controlled, self-calibrating luminometer that measures acute toxicity. Microtox[®] M500 is a biosensor-based measurement system that uses bioluminescence technology to monitor for either accidental or deliberate contamination of both water supplies and waste water. With over 2,900 instruments sold worldwide, the Microtox[®] toxicity test system is the industry standard for rapid toxicity screening and analysis. DeltaTox[®] II is the portable toxicity analyser used with the Microtox[®] technology.

Microtox[®] rapid toxicity detection is an in vitro test system that uses bioluminescent bacteria for the detection of toxicity in water and is used as a screening system to detect the relative toxicity of a sample. Results are given either as an effective concentration (EC) value or as a % inhibition. Applications include the testing of samples containing biological toxins, industrial effluent, industrial process waters, municipal effluent, drinking water eco toxicological samples, hazardous waste, soil, sediments, storm water and medical products for bio reactivity.

The Microtox[®] M500 has a built-in cooling block, enabling it to be used for ISO and DIN standard methods. The Omni software contains detailed step by step protocols for 11 standard methods, including ISO 11348-3, DIN 38412 and ASTM D5660.

**after initial reagent preparation*

- Test sensitive to more than 2,700 different simple and complex chemicals
- Results available in as little as 15 minutes*
- Cost effective and easy to perform tests
- More than 2,900 instruments sold worldwide
- Results provided as either EC values or % inhibition
- Excellent correlation with whole-organism toxicity test LD values



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