



Microtox® for Food and Beverage Processing Water Safety.



The Microtox Model 500 Analyzer is a laboratory-based analyzer that works in conjunction with automatic water sampling to provide round-the-clock monitoring of incoming process water.

The proven contaminant detection technology for process water security!

Water is an important ingredient used in all food and beverage products and it should be subject to the strict controls and quality standards demanded of all other ingredients. Food and beverage companies have always assumed they could rely on a supply of high quality water from the local utility. But in today's world, with concerned drinking water utilities assessing their own vulnerabilities and risks, food safety authorities recognize that food processors can no longer afford to make assumptions about the quality of the water they use in their products. Companies looking to protect their brands, and the brands of their customers, need to re-evaluate their security programs and institute contaminant detection technologies as part of their food safety program.

Food and Beverage Processors across the country are using Microtox Technology as an early warning system for contaminant detection. These responsible companies know that the Microtox Toxicity Test System is the proven method for frequent and accurate screening for the increases in toxicity that would be characteristic of an accidental or intentional contamination of the water supply. Microtox technology can rapidly detect changes in your water quality – allowing you to respond to changes quickly!

Microtox Technology

Microtox Systems combine the advantages of whole organism toxicity testing with the speed and precision of analytical instruments to produce a reliable biological test system that produces results quickly – in time for the results to be used to make decisions about the quality of the water used in your products.

Food and Beverage Applications

Microtox Technology is easy for a food or beverage processor to implement. Training in the use of Microtox Technology can be completed in less than a day. Influent water samples are collected using an autosampler which can be easily installed in most facilities and provides for round-the-clock sampling. Water samples are analyzed using Microtox technology in a process that takes about 30-45 minutes per day. This system allows regular screening of incoming processing water to be easily incorporated into your normal food safety program.

The Microtox Toxicity Test System has been thoroughly proven and is the subject of nearly 600 peer reviewed scientific articles. Microtox Technology is the established worldwide standard for toxicity testing being an ISO Standard Method (11348-3:1998), ASTM Standard Method (D5660-96), and included in Standard Methods for Analysis of Water and Wastewater.

Who's using Microtox?

"We purchased the Microtox 500® to augment the analytical capabilities of our laboratory as part of our water quality program to protect consumers of our water, including the U.S. Pentagon."

**Elizabeth Turner, Laboratory Manager
U.S. Army Corps of Engineers
Washington Aqueduct**

"We recognize that water is a vital component to our products and we are committed to protecting the quality of that water, just as we are with all of the ingredients that we use. The system is easy to use and incorporate into our normal food safety analytical program, and our customers have commented how pleased they are that we are taking this action to protect the products we supply to them and, in doing so, protect their brands."

**Mr. Mark Mar,
Food and Environmental Safety Manager
Quality Sausage, Dallas, TX**

Need portability?



DeltaTox®

For remote on-site screening at multiple locations, the DeltaTox Analyzer, is an easy-to-use, portable test system that delivers test results within minutes. The Deltatox is also capable of rapid ATP detection for characterization of bacterial contamination of water and for sanitation applications.

Advantages of Microtox

- Continuous water sampling for regular monitoring
- Easy to operate – Standard Method used throughout the world
- Simultaneously Detects thousands of toxic compounds



Strategic Diagnostics Inc.
111 Pencader Drive
Newark, DE 19702