

MICROCYSTIN - QuickTube™ Kit (ELISA Kit)

● Intended use

The Envirologix Microcystin Tube Kit Is Designed For Semi-Quantitative Field Screening Of Microcystin Toxin In Surface Water Samples. The Kit Is Supplied With Calibrators At 0.5 And 3 Ppb. The Assay Range Can Easily Be Extended.

● General

The EnviroLogix Microcystin Tube Kit is a competitive Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, Microcystin toxin in the sample competes with enzyme (horseradish peroxidase) labeled Microcystin for a limited number of antibody binding sites on the inside surface of the test tubes. After a simple wash step, the outcome of the competition is visualized with a color development step. As with all competitive immunoassays, sample concentration is inversely proportional to color development.

Darker color = Lower concentration

Lighter color = Higher concentration

The EnviroLogix Microcystin Tube Kit can be used in the following testing applications:

- Early Warning Of Bloom Formation And Water Quality Degradation.
- On-Site Ground And Surface Water Screening And Monitoring.
- Ensure Guidance Levels Are Not Exceeded In Drinking Water, Surface Water, And Algae Based Food Supplements.
- Quality Control Testing Of Raw Material And Finished Algae Based Products.

Materials Provided:	Materials Required But Not Provided:
<ul style="list-style-type: none"> - 36 x Antibody-Coated Test Tubes. - 1 x Vial of 0.5 ppb Microcystin LR Calibrator (detoxified). - 1 x Vial of 3 ppb Microcystin LR Calibrator (detoxified). - 1 x Dropper Bottle of Assay Diluent. - 1 x Dropper Bottle of Microcystinenzyme Conjugate. - 1 x Dropper Bottle of Substrate. - 1 x Bottle of Stop Solution. - 36 x Sample Pipettes. 	<ul style="list-style-type: none"> - Marking Pen (indelible). - Timer (5, 20 and 10 minutes). - Cool Tap Or Distilled Water for rinsing tubes, in a wash bottle. - Photometer for reading tubes (optional). - Test Tube Rack that can hold at least 6 tubes securely enough to flick out. - Water. - After Wash Step (Contact Xygen for information on obtaining an appropriate rack). - Disposable Tip, Adjustable Air-Displacement Pipette which will measure 0.7 mL (optional).

Kit Specifications:

Format:	- 36 Test Tubes.
Time Requirement:	- 1 h 10 min.
Detection Limit:	- 0.3 ppb.
Cross Reaction:	- Microcystin LR (0.30 ppb).
(Limit Of Detection)	- Microcystin LA (0.43 ppb).
	- Microcystin RR (0.65 ppb).
	- Microcystin YR (0.69 ppb).
	- Nodularin (0.53 ppb).
Measurement:	- Visual or with Microtiter Plate Reader or strip reader.
Product ID #:	- ET022.