

Microcystins-ADDA

Enhanced Sensitivity Technical Bulletin

1. Intended Use

For the enhanced detection of Microcystins in water samples using the ADDA ELISA Kit: groundwater, surface water, well water.

2. Microcystins LR Standards Provided

0; 0.05; 0.1; 0.15; 0.40; 1.0; 2.0; 5.0 ppb. Control at 0.75 ppb.

3. Materials Required (Not Provided)

Pipettes capable of delivering 125 µL

Test tubes, glass

Vortex mixer

4. Procedure

-Add 125µL of standards, control, or samples to appropriate labeled glass test tubes.

-Add 125µL of antibody solution to each tube

-Vortex and incubate at room temperature for 30 minutes

-Add 100 uL of each standard, control or sample in duplicate to the wells in the microcystins coated plate

-Incubate mixture at room temperature for 90 minutes.

-Continue the assay by following steps 3-8 on the Microcystins ADDA ELISA Kit user's guide.

5. Evaluation of Results

Results obtained should be calculated using the standard's concentrations given in this technical bulletin

6. Assay Parameters

Analytical range: 0.05-5 ppb

Sensitivity: 0.04 ppb.

7. Assistance

For ordering or technical assistance contact:

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