MICROCYSTIN DETAILED FLOWCHART

1.

Add 500 µL of Microcystin Enzyme Conjugate down the inside wall of each tube by using the technique described in Box 2.

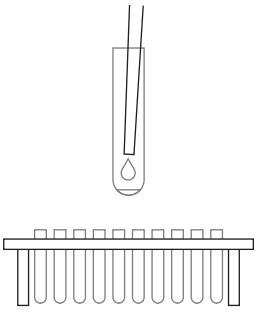
2.

Label test tubes for Standards (Calibrators), Control, and Samples.

Tube #	Content
1, 2	Diluent/Zero Standard 0 ppb
3, 4	Standard 1, 0.15 ppb
5, 6	Standard 2, 0.40 ppb
7, 8	Standard 3, 1.0 ppb
9, 10	Standard 4. 2.0 ppb
11,12	Standard 5, 5.0 ppb
13	Control, 0.75 ppb
14	Sample 1
15	Sample 2
16	Sample 3

Add 500 µL of either Standards, Control or Samples down the inside wall of each test tube by aiming the pipet tip 1/4" to 1/2" below the tube rim without touching the rim or tube wall with the pipet tip; deliver liquid gently.

3.



Add 500 µL of the Microcystin Antibody Solution to the bottom of each tube by inserting the pipette tip all the way into the bottom of the tube without touching the side of the tubes. *Vortex or swirl* for 5 to 10 seconds.

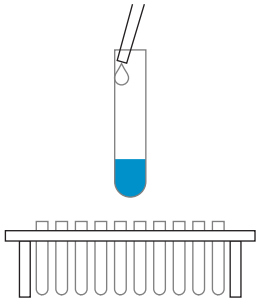
4.

React 20 minutes at room temperature (15 °- 30°C). After incubating, invert and shake over sink. Blot in absorbent paper.

5.

Add 5 mL of Washing Solution to each tube (alternatively flood the tubes completely with wash solution then invert to empty tubes). Vigorously shake and invert tubes over a sink and pour out the tube contents: keep inverted and blot the test tube rims on several layers of paper toweling.
Repeat this step 4 times.

6.

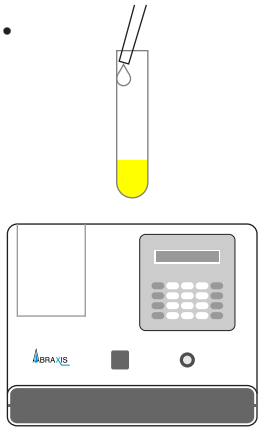


Add 500 µL of Color Reagent down the inside wall of each tube by using the technique described in Box 2. Vortex or swirl.

7.

React for 20 minutes at room Temperature (15°- 30° C). During this period, add 1 mL of Washing Solution into a clean tube for use as an instrument blank in Step 8.

8.



Add 500 µL of Stopping Solution down the inside wall of each tube by using the technique previously Described. *Read* results at 450 nm within 15 minutes after adding the Stopping Solution. *Multiply* results of samples by the appropriate dilution factor (if any).

[**Safety Caution:** Stopping Solution contains diluted sulfuric acid.]

For Ordering or Technical Assistance Contact:
ABRAXIS, LLC 54 Steamwhistle Drive, Warminster, PA 18974
Phone: 215-357-3911 Fax: 215-357-5232
Web: www.abraxiskits.com

Microcystin Tube Kit Part # 520012A

ABRAXIS

MICROCYSTIN CONCISE FLOWCHART

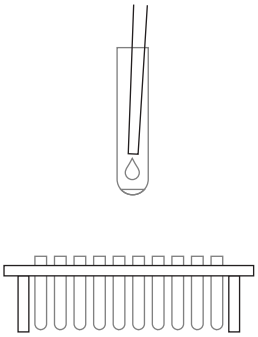
1.

Add 500 µL of Microcystin Enzyme Conjugate to each test tube.

2.

Add 500 µL of either Standards, Control or Samples to the bottom of each test tube.

3.



Add 500 uL of Microcystin Antibody Solution to each test test tube.

Vortex or swirl.

4.

Incubate for 20 minutes.
Invert and blot.

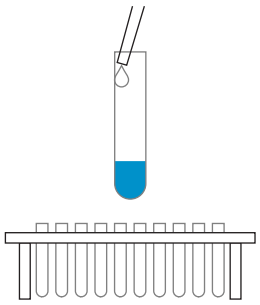
5.

Add 5 mL of Washing Solution (alternatively flood the tubes).

Invert the tubes and blot.

Repeat this step 4 times.

6.



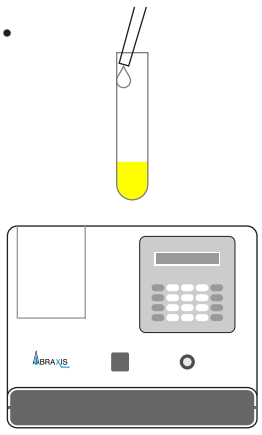
Add 500 µL of Color Reagent down the inside wall of each test tube.

7.

Incubate for 20 minutes.

Prepare blank.

8.



Add 500 µL of Stopping Solution to each test tube.

Read OD 450

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