Microcystin-DM ELISA Kit, Detailed Procedure

1. Addition of Standards, Samples
Add 100 µL of the standard solutions, control or samples into the wells of the test strips according to the working scheme given. We recommend using duplicates or triplicates.

2. Addition of Enzyme Conjugate
Add 50 µL of the enzyme conjugate to the individual wells successively using a multi-channel pipette.

3. Addition of Antibody Solution
Add 50 µL of the Microcystin Monoclonal antibody solution to the individual wells successively using a multi-channel pipette. Cover the wells with parafilm or tape and mix the contents by moving the strip holder in a rapid circular motion on the benchtop. Be careful not to spill contents. Incubate the strips for 90 min. at room temperature.

4. Washing of Plates
After incubation, remove the covering and vigorously shake the contents of the wells into a sink. Wash the strips three times with a multi-channel pipette or using the diluted 1X washing buffer solution. Please use at least a volume of 250 µL of washing buffer for each well and each washing step. Remaining buffer in the wells should be removed by patting the plate dry on a stack of paper towels.

5. Addition of Substrate/Color Solution
Add 150 µL of substrate/color solution to the individual wells successively using a multi-channel pipette. Cover the wells with parafilm or tape and mix the contents by moving the strip holder in a rapid circular motion on the benchtop. Be careful not to spill contents. Incubate the strips for 20 min. at room temperature.

6. Addition of Stopping Solution
Add 100 µL of stop solution to the wells in the same sequence as for the substrate solution using a multi-channel pipette.

7. Measurement of Color
Read the absorbance at 450 nm using a microplate ELISA reader. Calculate results.

For Ordering or Technical Assistance Contact:
ABRAXIS, LLC
124 Railroad Drive, Warminster, PA 18974
Phone: 215-357-3911    Fax: 215-357-5232
www.abraxiskits.com
Microcystin-DM ELISA Kit, Concise Procedure

1. **Addition of Standards, Samples**
   Add 100 µL of standard solutions, control or samples.

2. **Addition of Enzyme Conjugate**
   Add 50 µL of enzyme conjugate.

3. **Addition of Antibody Solution**
   Add 50 µL of the antibody solution. Cover and mix for 30 seconds by rotating on benchtop. Incubate for 90 minutes at room temperature.

4. **Washing of Plates**
   Wash the plates three times with 250 µL of diluted 1X washing buffer.

5. **Addition of Substrate/Color Solution**
   Add 150 µL of substrate/color solution. Incubate 20 minutes at room temperature and away from direct sunlight.

6. **Addition of Stopping Solution**
   Add 100 µL of stop solution.

7. **Measurement of Color**
   Measure color at 450 nm. Calculate results.

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