**Cylindrospermopsin Plate, Detailed ELISA Procedure**

1. **Addition of Standards, Samples**
   Add 50 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 or a stepping pipette.

3. **Addition of Antibody Solution**
   Add 50 μL of the Cylindrospermopsin 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 45 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 four times with a multi-channel pipette. 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 100 μL of substrate/color solution to the individual wells successively using a multi-channel pipette or a stepping 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 30-45 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 or a stepping pipette.

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

For Ordering or Technical Assistance Contact:
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1. Addition of Standards, Samples
Add 50 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 45 minutes at room temperature.

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

5. Addition of Substrate/Color Solution
Add 100 μL of substrate/color solution. Incubate 30-45 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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