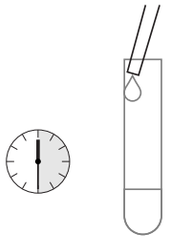
Microcystin-ADDA ES ELISA Kit, Detailed Procedure

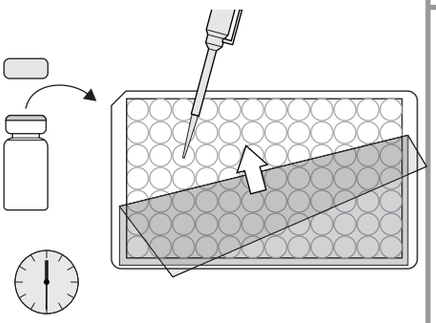
1. Pre Incubation

Add 125 µL of standards, control, or samples to appropriate labeled glass test tube. Add 125µL of antibody solution to each tube. Vortex and incubate at room temperature for 30 minutes.



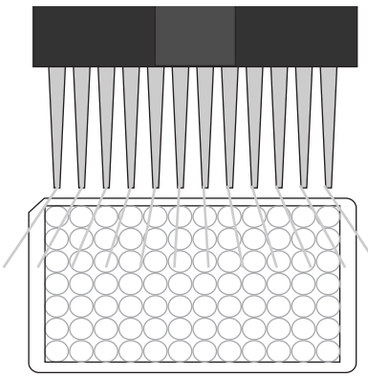
2. Addition of Standards, Samples

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. 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.



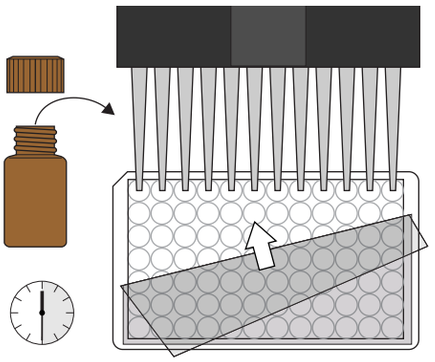
3. Washing of Plates

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 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.



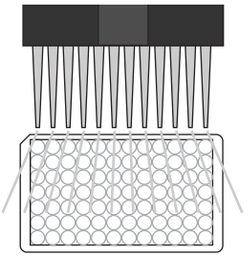
4. Addition of Enzyme Conjugate

Add 100 µL of the enzyme conjugate 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 minutes at room temperature.



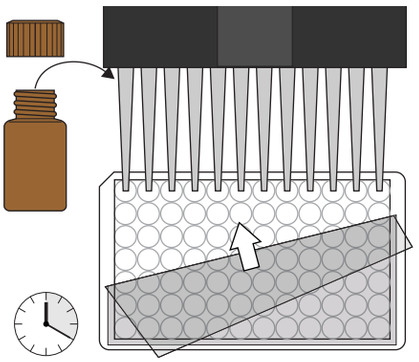
5. Washing of Plates

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 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.



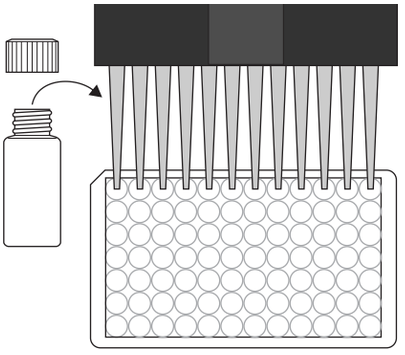
6. Addition of Substrate/Color Solution

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 20-30 minutes at room temperature.



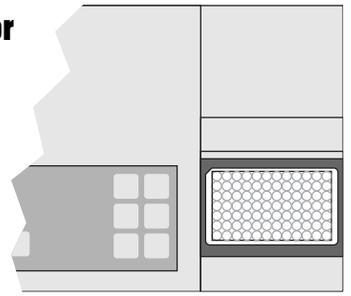
7. Addition of Stopping Solution

Add 50 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.



8. Measurement of Color

Read the absorbance at 450 nm using a microplate ELISA reader. Calculate results.



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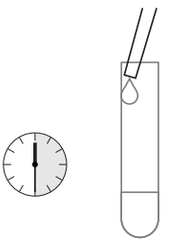
www.abraxiskits.com

Microcystin-ADDA ES ELISA Kit, Concise Procedure

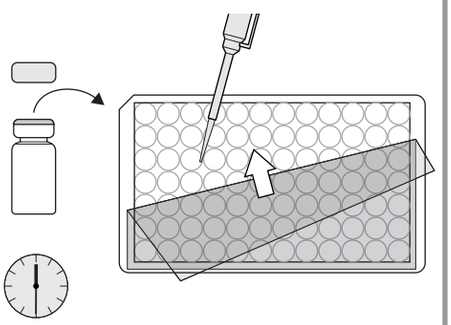
1. Pre Incubation

Add 125 µL of standards, control, samples, and antibody solution. Vortex. Incubate for 30 minutes at room temperature.



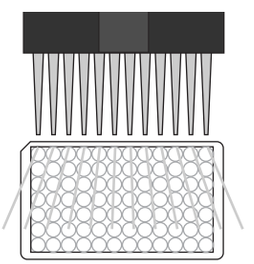
2. Addition of Standards, Samples

Add 100 µL of standard solutions, control or samples. Cover and mix for 30 seconds by rotating on benchtop. Incubate for 90 minutes at room temperature.



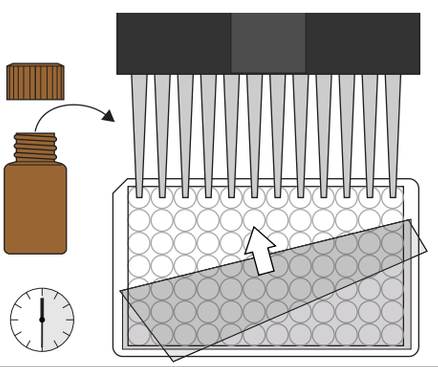
3. Washing of Plates

Wash the plates three times with 250 µL of diluted 1X washing buffer.



4. Addition of Enzyme Conjugate

Add 100 µL of enzyme conjugate. Cover and mix for 30 seconds by rotating on benchtop. Incubate for 30 minutes at room temperature.



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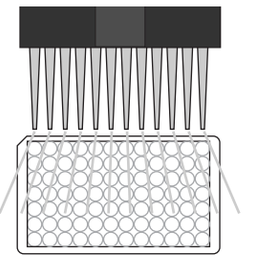
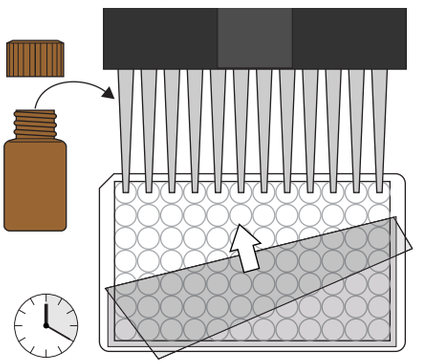


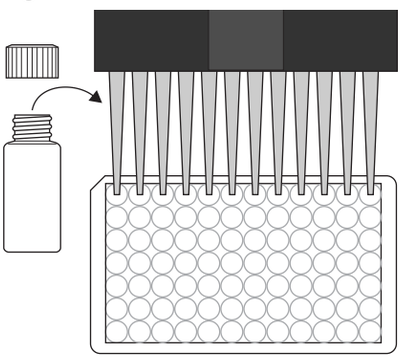
6. Addition of Substrate/Color Solution

Add 100 µL of substrate/color solution. Incubate for 20-30 minutes at room temperature and away from direct sunlight.



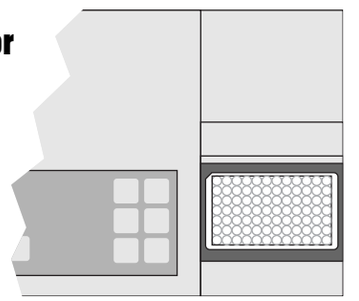
7. Addition of Stopping Solution

Add 50 µL of stop solution.



8. Measurement of Color

Measure color at 450 nm. Calculate results.



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