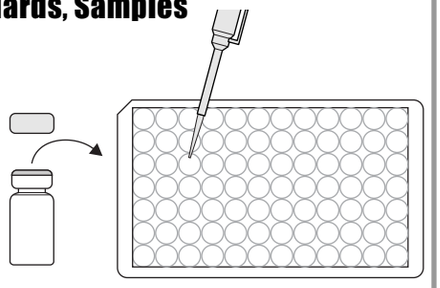
BMAA Plate, Detailed ELISA Procedure

This kit is covered by U.S. Patent 8,394,596

R111017

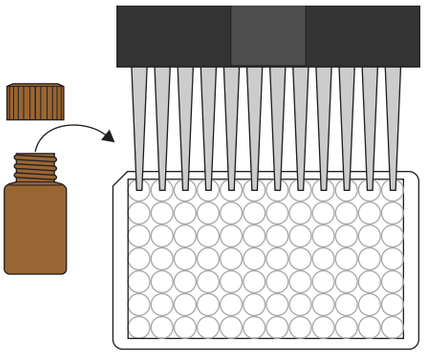
1. Addition of Standards, Samples

Add 100 uL of the standard solutions or samples into the wells of the test strips according to the working scheme given. We recommend using duplicates or triplicates.



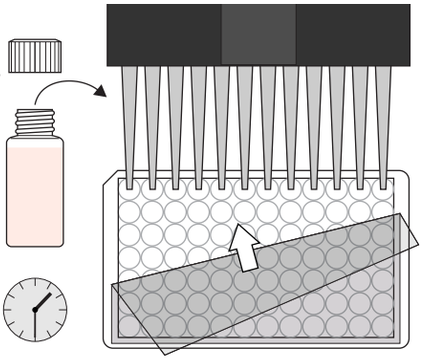
2. Addition of Enyzme Conjugate

Add 50 uL of the enzyme conjugate to the individual wells successively using a multi- channel pipette or a stepping pipette.



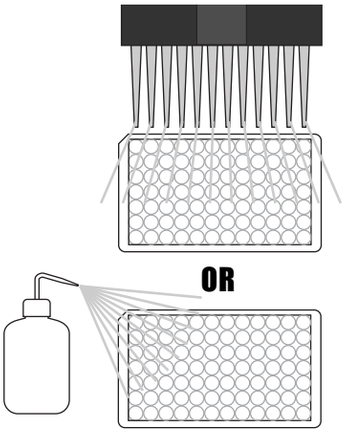
3. Addition of Antibody Solution

Add 50 uL of the BMAA 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 circular motion on the benchtop. Be careful not to spill the contents. Incubate the strips for 90 minutes at room temperature.



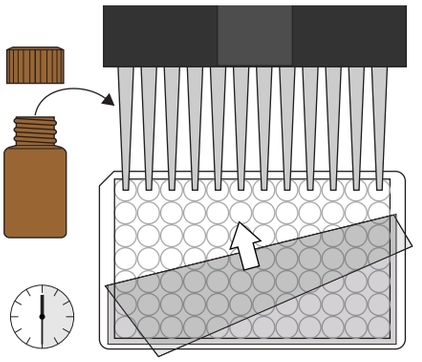
4. Washing of Plates

After incubation, remove the covering, decant the contents of the wells into a sink, and blot the inverted plate on a stack of paper towels. Wash the strips four times with a multi-channel pipette or wash bottle using the diluted wash buffer. Please use at least a volume of 250 uL of 1X wash buffer for each well and each washing step. Blot the inverted plate after each wash step on a stack of paper towels. After the last wash/blot, check the wells for any remaining buffer in the wells and, if necessary, remove by additional blotting.



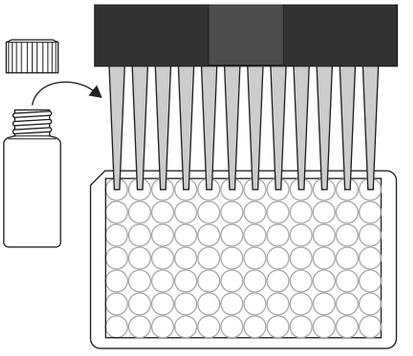
5. Addition of Substrate/Color Solution

Add 150 uL 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 circular motion on the benchtop. Be careful not to spill the contents. Incubate the strips for 30 minutes at room temperature.



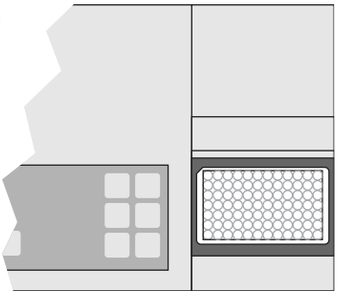
6. Addition of Stopping Solution

Add 100 uL 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.



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BMAA Plate, Concise ELISA Procedure

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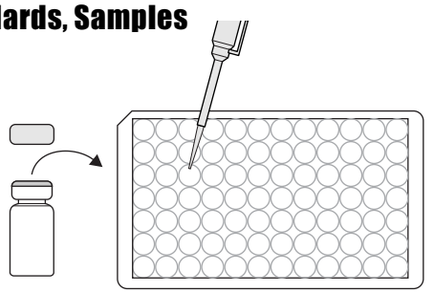
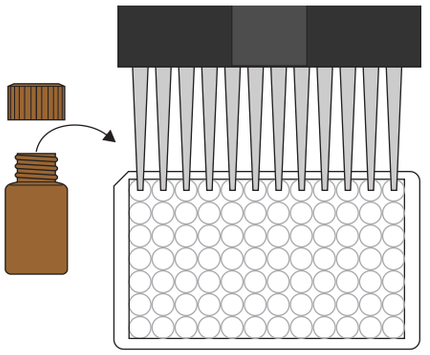


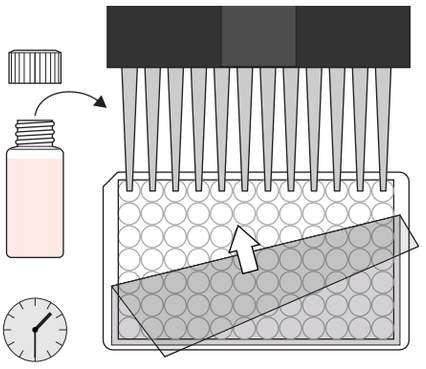
2. Addition of Enyzme Conjugate

Add 50 uL of enzyme conjugate.



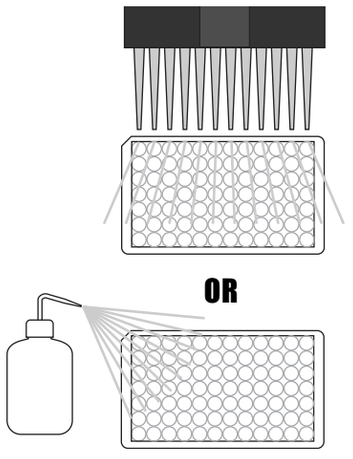
3. Addition of Antibody Solution

Add 50 uL of antibody solution. Cover and mix for 30 seconds by rotating on benchtop. Incubate for 90 minutes at room temperature.



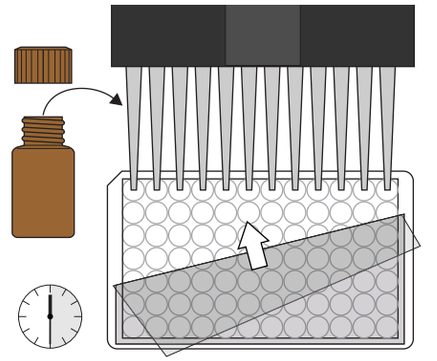
4. Washing of Plates

Wash the plates four times with 250 uL of diluted 1X wash buffer.



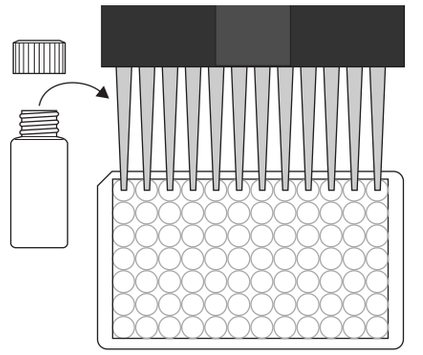
5. Addition of Substrate/Color Solution

Add 150 uL of substrate/color solution. Incubate 30 minutes at room temperature away from direct sunlight.



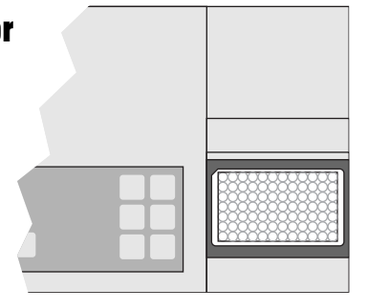
6. Addition of Stopping Solution

Add 100 uL of stop solution.



7. Measurement of Color

Measure absorbance at 450 nm. Calculate results.



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