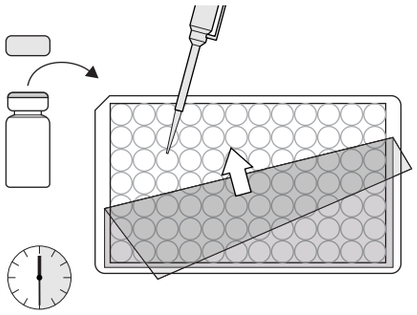
Aflatoxin M1 Plate, Detailed ELISA Procedure

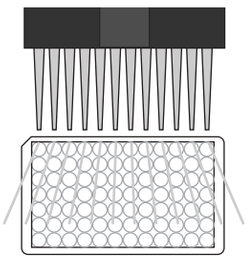
1. Addition of Standards, Samples

Add 100 uL of the standard solutions, samples or sample extracts 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 30 minutes at room temperature.



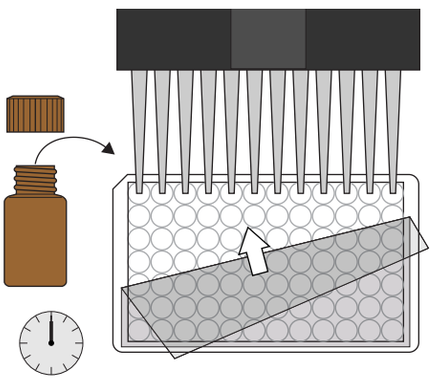
2. Washing of Plates

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 wash bottle using the diluted 1X washing buffer solution. Please use at least 250 uL 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.



3. Addition of Enzyme Conjugate

Add 100 uL of the Aflatoxin M1 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 60 minutes at room temperature.



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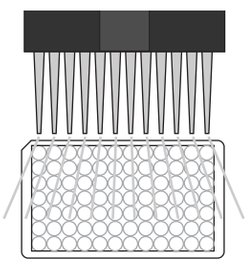
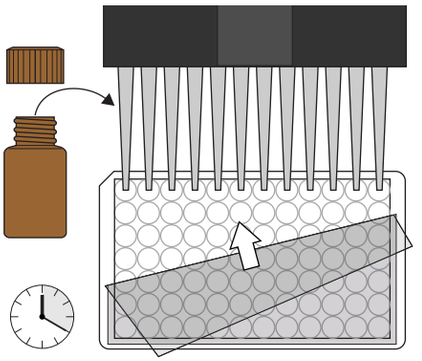


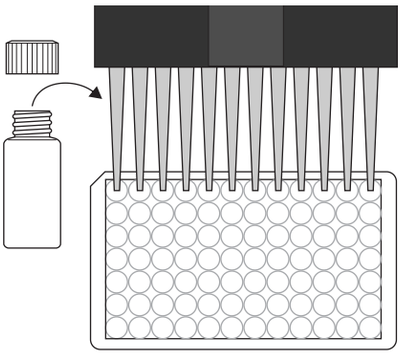
5. Addition of Substrate/Color Solution

Add 100 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 rapid circular motion on the benchtop. Be careful not to spill contents. Incubate the strips for 20 minutes at room temperature away from direct sunlight.



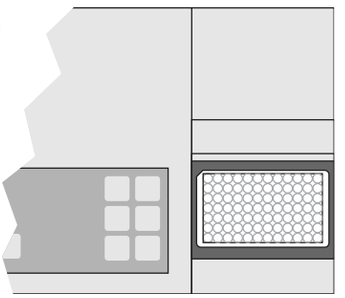
6. Addition of Stopping Solution

Add 50 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 within 15 minutes. Calculate results.



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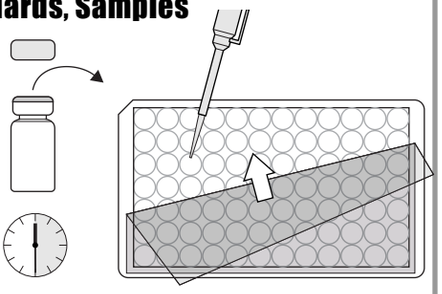
Aflatoxin M1 Plate, Concise ELISA Procedure

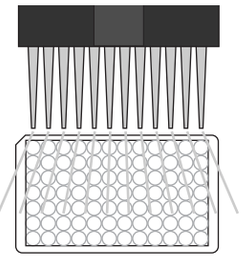
1. Addition of Standards, Samples

Add 100 uL of standard solutions, sample or sample extract. Cover and mix for 30 seconds by moving strip holder in a circular motion on benchtop. Incubate 30 minutes at room temperature away from direct sunlight.



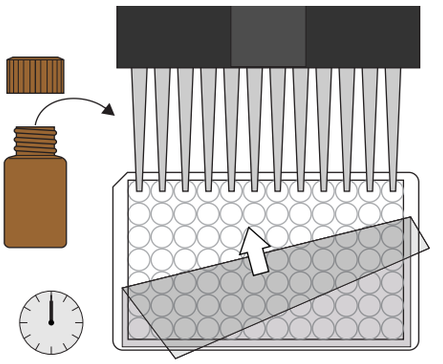
4. Washing of Plates

Wash the wells three times with 250 uL of diluted 1X washing buffer.



2. Addition of Enzyme Conjugate

Add 100 uL of enzyme conjugate. Cover and mix for 30 seconds by moving strip holder in a circular motion on benchtop. Incubate 60 minutes at room temperature away from direct sunlight.



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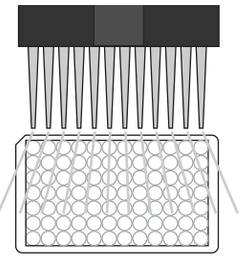
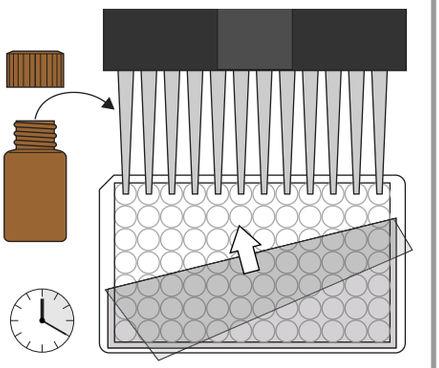


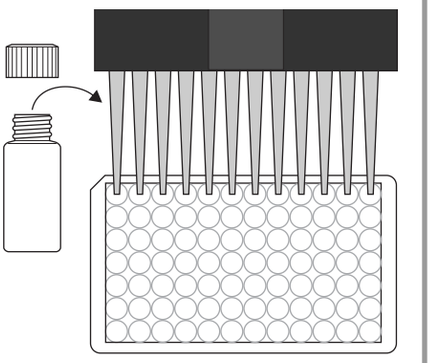
5. Addition of Substrate/Color Solution

Add 100 uL of substrate/color solution. Cover and mix for 30 seconds by moving strip holder in a circular motion on benchtop. Incubate 20 minutes at room temperature away from direct sunlight.



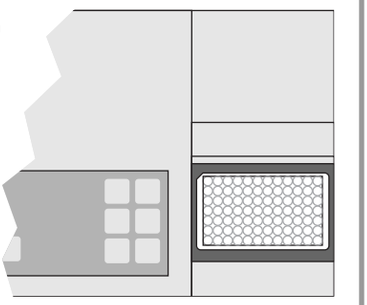
6. Addition of Stopping Solution

Add 50 uL of stop solution.



7. Measurement of Color

Measure color at 450 nm within 15 minutes. Calculate results.



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