

ENVIROLOGIX Inc. - GMO Monitoring Kits

Cry1C - PLATE KIT (ELISA Kit)

● Intended use

The Envirologix Cry1C Plate Kit Is Designed For The Quantitative Laboratory Detection Of Cry1C Residues In Plant Leaf Tissue Samples.

● General

The EnviroLogix Cry1C Plate Kit is a “sandwich” Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, plant leaf sample extracts are added to test wells coated with antibodies raised against Cry1C toxin. Any residues present in the sample extract bind to the antibodies, and are then detected by addition of enzyme (horseradish peroxidase) labeled Cry1C antibody. After a simple wash step, the results of the assay are visualized with a color development step; color development is proportional to Cry1C concentration in the sample extract.

Lighter color = Lower concentration

Darker color = Higher concentration

Materials Provided:	Materials Not Provided:
<ul style="list-style-type: none">- 12 x Strips Of 8 Antibody-Coated Wells each, in plate frame.- 1 x Vial Of Cry1C Negative Control.- 1 x Vial Of 1 ppb Cry1C Calibrator.- 1 x Vial Of 5 ppb Cry1C Calibrator.- 1 x Vial Of 10 ppb Cry1C Calibrator.- 1 x Bottle Of Cry1C-Enzyme Conjugate.- 1 x Bottle Of 5x Extraction/ Dilution Buffer.- 1 x Packet Of Wash Buffer Salts.- 1 x Bottle Of Substrate.- 1 x Bottle Of Stop Solution.	<ul style="list-style-type: none">- Disposable Tissue Extractors, EnviroLogix Cat. # ACC 002 (6 samples are provided in the kit).- Test tubes for dilution of sample extracts.- Disposable Tip, Adjustable Air-Displacement Pipettes which will measure 20, 100, 500 and 1000 micro liters (µL).- Marking Pen (indelible).- Tape or Parafilm.- Timer (15 minutes, 1 hour, and 30 minutes).- Distilled Or Deionized Water for preparing Wash Buffer and diluting 5x Extraction/Dilution Buffer.- Glass Bottles or flasks with 175 mL capacity for storage of 1x Extraction/Dilution Buffer and 1 liter capacity for Wash Buffer.- Microtiter Plate Reader or strip reader.- Wash Bottle, or microtiter plate or strip washer.- Multi-Channel Pipette that will measure 100 µL (optional).- Racked Dilution Tubes for loading samples into the plate with a multichannel pipette (optional).- Orbital Plate Shaker (optional).

Kit Specifications:

Format:	- 96 Wells.
Time Requirement:	- 2 h 30 min.
Detection Limit:	- To be determined (the lowest calibrator in the kit is 1 ppb).
Cross-Reaction:	- Cry1C (1 ppb).
(Limit of Detection)	- Cry1Ab (5000 ppb).
	- Cry1Ac (>10 000 ppb).
	- Cry2A (>10 000 ppb).
	- Cry1F (>10 000 ppb).
	- Cry9C (>10 000 ppb).
Measurement:	- Plate Reader 450 nm.
Product ID #:	- AP007.