

## ENVIROLOGIX Inc. - GMO Monitoring Kits

# CRY1AB QUALIPLATE™ - Bulk Grain Screening Kit

### ● Intended use

The Envirologix QualiPlate™ Cry1Ab Bulk Grain Screening Kit Is Designed For The Non-Quantitative Laboratory Detection Of Bt-11, MON-810 Or Bt-176 Cry1Ab Endotoxin In Corn Leaf Tissue, Or Bt-11 And MON-810, Only, In Single Corn Seed Samples.

### ● General

The EnviroLogix QualiPlate™ Cry1Ab Bulk Screening Kit is a “sandwich” Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, plant leaf or seed sample extracts are added to test wells coated with antibodies raised against Cry1Ab toxin. Any residues present in the sample extract bind to the antibodies, and are then detected by addition of enzyme (horseradish peroxidase) labeled Cry1Ab antibody. After a simple wash step, the results of the assay are visualized with a color. Development step; color development is proportional to Cry1Ab concentration in the sample extract.

*Lighter color = Lower concentration*

*Darker color = Higher concentration*

Materials Provided:	Materials Not Provided:
<ul style="list-style-type: none"><li>- 1 x Cry1Ab Antibody-Coated Solid Plate.</li><li>- 1 x Cry1Ab Positive Control (1 ppb Cry1Ab).</li><li>- 1 x Cry1Ab-Enzyme Conjugate.</li><li>- 1 x Substrate.</li></ul>	<ul style="list-style-type: none"><li>- PBS/0.05% Tween-20 Wash Buffer.</li><li>- Milk Extraction Buffer - PBS/0.55% Tween-20/0.4% non-fat dry milk.</li><li>- 1 N Hydrochloric acid (HCl) Stop Solution.</li><li>- Disposable Tip, Adjustable Air-Displacement Pipettes which will measure 100 microliters (µL), preferably of multi-channel style.</li><li>- Marking Pen (indelible).</li><li>- Tape or Parafilm®.</li><li>- Timer.</li><li>- Microtiter Plate Reader.</li><li>- Wash Bottle, or microtiter plate or strip washer.</li><li>- Orbital Plate Shaker (optional).</li></ul>

### Kit Specifications:

Format:	- Antibody Coated Microwell Plate (solid plate).
Time Requirement:	- 3 h.
Detection Limit:	- Will detect one kernel in 800.
Measurement:	- Microtiter Plate Reader (450 nm).
Product ID #:	- AP003SP.