

## ENVIROLOGIX Inc. - GMO Monitoring Kits

# ROUNDUP READY® CORN EVENT 603 QualiPlate™ (ELISA Kit)

### ● Intended use

The Envirologix QualiPlate™ Kit For Roundup Ready Corn Event 603 Is Designed For The Qualitative Laboratory Detection Of CP4 EPSPS Enzyme (CP4) Coded For By The Roundup Ready Gene In Corn Event 603 Grain, Leaf, Or Seed. This Test Will Detect The CP4 Enzyme Found In 0.1% Event 603 Corn (One Seed In 1000) And Requires 1 Hour To Run. **NOTE: This Kit Can ONLY Be Used To Detect RR Corn Event 603. It Will NOT Detect RR Corn With The Event Known As GA21.**

### ● General

The EnviroLogix QualiPlate™ Kit for Roundup Ready Corn Event 603 is a “sandwich” Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, corn sample extracts are added to test wells coated with antibodies raised against CP4. Any CP4 present in the sample extract binds to the antibodies and is then detected by addition of enzyme (horseradish peroxidase) labeled CP4 antibody. After a simple wash step, the results of the assay are visualized with a color development step. Color development increases with increasing CP4 sample concentration.

*Lighter color = Low concentration*

*Darker color = High concentration*

The QualiPlate™ Kit for Roundup Ready Corn Event 603 is a strictly qualitative (yes/no) assay. Samples are interpreted in comparison with Positive and Negative Control ground corn samples provided in each kit. Instructions for interpreting results based upon these controls are included in the product insert.

Materials Provided:	Materials Not Provided:
<ul style="list-style-type: none"><li>- 1 x Antibody-Coated 96-Well Plate.</li><li>- 1 x Vial Of Negative Control Ground Corn.</li><li>- 1 x Vial Of Positive Control Ground Corn.</li><li>- 1 x Bottle Of Roundup Ready Enzyme Conjugate</li><li>- 1 x Packet Of Wash/Extraction Buffer Salts.</li><li>- 1 x Bottle Of Substrate.</li><li>- 1 x Bottle Of Stop Solution.</li></ul>	<ul style="list-style-type: none"><li>- Distilled Or Deionized Water for preparing wash/Extraction Buffer.</li><li>- Glass Bottles or flask plus graduated cylinder with 1 liter capacity for preparation and storage of Wash/Extraction Buffer.</li><li>- Test Or Centrifuge Tubes for extraction of grain.</li><li>- Waring Laboratory Blender (model 31BL91 or equivalent), glass jar adapter.</li><li>- (Eberbach # E8495) and 32 oz. glass Mason jars for ground corn samples.</li></ul>

### Kit Specifications:

Format:	- 96 Well.
Time Requirement:	- 1 h.
Detection Limit:	- Will detect 1 seed in 1000 (0.1%).
Measurement:	- Visual.
Product ID #:	- AP010.