

ENVIROLOGIX Inc. – GMO Monitoring Kits

Cry1Ab/Cry1Ac QuickStix™ - Bulk Grain Kit

● Intended use

The EnviroLogix QuickStix™ Cry1Ab/Ac Kit Is Designed To Extract And Detect The Presence Of The Cry1Ab (Bt11or Mon810 Event) And Cry1Ac Bt Proteins At The Levels Typically Expressed In Genetically Modified Corn Grain. The Sensitivity Of The QuickStix Cry1Ab/Ac Kit Is 1.0% Based On Tests Conducted With Bt11 Corn (I.E. One Bt11 Kernel In 99 Conventional Corn Kernels). The Bt176 Event Is Expressed Primarily In Corn Leaf Tissue And Is Not Present At Detectable Levels In Corn Grain. For Bt Detection In Corn And Cotton Plant Tissues And Individual Seeds, Please Use QuickStix Prod ID # AS 003 LS.

NOTE: A Negative Result With This Test On Corn Seed Or Grain Extracts Does Not Necessarily Rule Out The Presence Of Genetically Modified Material In The Sample.

● General

In order to detect the Cry1A proteins with the EnviroLogix QuickStix Cry1Ab/Ac kit, the sample must first be ground and extracted in water to solubilize the protein. Each QuickStix strip has an absorbent pad at each end. The protective tape with the arrow indicates the end of the strip to insert into the reaction vial. The sample will travel up the membrane strip and be absorbed into the larger pad at the top of the strip. The portion of the strip between the protective tape and the absorbent pad at the top of the strip is used to view the reactions as described under “Interpreting the Results”. Please avoid bending the strips.

The EnviroLogix Cry1Ab/Cry1Ac QuickStix Kit can be used in the following testing applications:

- Benchmark testing for Identity Preservation programs (IP).
- Qualify incoming raw materials at food processing plants.
- Checking grain for acceptance at elevators and processing plants.
- On-site testing of railcars, ship cargo holds and trucks to expedite off-loading.

Materials Provided:	Materials Required But Not Provided:
<ul style="list-style-type: none">- 100 x QuickStix strips packed in two moisture resistant canisters.- 100 x transfer pipettes.- 100 x reaction vials.	<ul style="list-style-type: none">- Waring Blender, model 31BL91 or equivalent.- Glass Jar Adapter (Eberbach # E8495).- Glass Mason Jars.- Graduated Cylinder.- Tap Water.- Protective Cover For Blender Jar while grinding.

Kit Specifications:

Format:	- 100 strips.
Time Requirement:	- Results in 5 minutes or less.
Detection Limit:	- 0.14 ppb.
Cross Reaction:	- Cry1Ab (10 ppb).
(Limit of Detection)	- Cry1Ac (10 ppb).
	- Cry1C (100 ppb).
	- Cry1F (100 ppb).
Measurement:	- Visual.
Product ID #:	- AS003BG.