

Envirologix Inc.- Environmental & Food Monitoring Kits: Pesticides

ACETANILIDES (ELISA Kit)

● Intended use

The Envirologix Acetanilide Plate Kit Is Designed For The Quantitative Laboratory Detection Of Acetanilide Pesticide Residues In Ground And Surface Water Samples, With An Assay Range From 0.04 To 1.0 Parts Per Billion (Ppb).

● General

The EnviroLogix Acetanilide Plate Kit is a competitive Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, Acetanilide pesticide residues in the sample compete with enzyme (horseradish peroxidase) labeled alachlor for a limited number of antibody binding sites on the inside surface of the test wells. After a simple wash step, the outcome of the competition is visualized with a color development step. As with all competitive immunoassays, sample concentration is inversely proportional to color development.

Darker color = Lower concentration

Lighter color = Higher concentration

The EnviroLogix Acetanilide Plate Kit can be utilized in applications such as:

- Source water protection.
- Treated effluent monitoring.
- Drinking water monitoring.
- Run-off assessment & monitoring.
- Point source testing.

Materials Provided:	Materials Required But Not Provided:
<ul style="list-style-type: none">- 8 x Strips of 12 Antibody-Coated Wells each, in plate frame.- 1 x Vial of Negative Control.- 1 x Vial of 0.04 ppb Alachlor Calibrator.- 1 x Vial of 0.2 ppb Alachlor Calibrator.- 1 x Vial of 1.0 ppb Alachlor Calibrator.- 1 x Bottle of Alachlor-Enzyme Conjugate.- 1 x Bottle of Substrate.- 1 x Bottle of Stop Solution.	<ul style="list-style-type: none">- Disposable Tip, Adjustable Air Displacement Pipette which will measure 150 microliters (µL), 100 µL and 50 µL.- Marking Pen (indelible).- Tape or Parafilm.- Timer (1 hour and 30 minutes).- Cool Tap or Distilled Water.- Microtiter Plate Reader or strip reader.- Microtiter Plate Washer (optional).- Twelve-Channel Pipette that will measure 150 µL, 100 µL and 50 µL (optional).- Racked Dilution Tubes (optional).- Orbital Plate Shaker (optional).

Kit Specifications:

Plate Format:	- 96 Well.
Time Requirement:	- 2 h 15 min.
Limit Of Detection:	- 0.03 ppb.
Limit of Quantification:	- 0.04 ppb.
Cross Reaction:	- Alachlor (0.03 ppb).
(Limit Of Detection)	- Alachlor Mercapturate (0.05 ppb).
	- Alachlor ESA (0.16 ppb).
	- Acetochlor (0.06 ppb).
	- Acetochlor Mercapturate (5.3 ppb).
	- Acetochlor ESA (18 ppb).
	- Metalaxyl (7.1 ppb).
	- Metolachlor (0.06 ppb).
	- Metolachlor Mercapturate (3.6 ppb).
	- Metolachlor ESA (83 ppb).

Standards:
Measurement:
Product ID #:

- Propachlor (923 ppb).
- 0.04/0.2/1.0 ppb.
- Microtiter Plate Reader or strip reader.
- EP001.