

ENVIROLOGIX Inc. - Environmental & Food Monitoring Kits: Pesticides

TRIAZINES (ELISA Kit)

● Intended use

The Envirologix Triazine Plate Kit Is Designed For The Quantitative Laboratory Detection Of Triazine Pesticide Residues In Ground And Surface Water Samples, With An Assay Range From 0.04 To 4.0 Parts Per Billion (Ppb).

● General

The EnviroLogix Triazine Plate Kit is a competitive Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, Triazine pesticide residues in the sample compete with enzyme (horseradish peroxidase), labeled atrazine 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 Triazine Plate Kit can be used in the following applications:

- Point Source Testing.
- Drinking Water Monitoring.
- Treated Effluent Monitoring.
- Run-Off Assessment And Monitoring.
- Source Water Protection.

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 Atrazine Calibrator. - 1 x Vial of 0.4 ppb Atrazine Calibrator. - 1 x Vial of 4.0 ppb Atrazine Calibrator. - 1 x Bottle of Atrazine-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 µL, 100 µL and 50 µL. - Marking Pen (indelible). - Tape or Parafilm. - Timer (1 hour and 30 minutes). - Cool Tap Or Distilled Water for rinsing wells. - Microtiter Plate Reader or strip reader. - Microtiter Plate Washer (optional). - Twelve-Channel Pipette that will measure 150 µL, 50 µL and 50 µL (optional). - Racked Dilution Tubes for loading samples into the plate with a 12-channel pipette (optional). - Orbital Plate Shaker (optional).

Kit Specifications:

Plate Format:	- 96 Well.
Time Requirement:	- 2 h 15 min.
Detection Limit:	- 0.01 ppb.
Quantification Limit:	- 0.04 ppb.
Cross Reaction:	- Atrazine (0.01 ppb).
(Limit of Detection)	- Atrazine Mercapturate (0.04 ppb).
	- Acetochlor ESA (>1000 ppb).
	- Alachlor ESA (>1000 ppb).
	- Ametryn (0.01 ppb).
	- Cyanazine (7 ppb).
	- De-Ethyl Atrazine (0.65 ppb).
	- De-Isopropyl Atrazine (17 ppb).
	- Di-Deakyl Atrazine (100 ppb).
	- 2-Hydroxy Atrazine (3 ppb).
	- Prometon (0.002 ppb).

Measurement:
Product ID #:

- Prometryn (0.01 ppb).
- Propazine (0.02 ppb).
- Metolachlor ESA (>1000 ppb).
- Simazine (0.27 ppb).
- Simetryn (0.05 ppb).
- Terbutylazine (0.70 ppb).
- Trietazine (12 ppb).
- Microtiter Plate Reader or strip reader.
- EP003.