

ENVIROLOGIX Inc. - Environmental & Food Monitoring Kits: Pesticides

CYANAZINE (ELISA Kit)

● Intended use

The Envirologix Cyanazine Plate Kit Is Designed For The Quantitative Laboratory Detection Of Cyanazine Pesticide Residues In Ground And Surface Water Samples, With An Assay Range From 0.4 To 10 Parts Per Billion (Ppb).

● General

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

- Source Water Protection.
- Treated Effluent Monitoring.
- Drinking Water Monitoring.
- Run-Off Assessment & Monitoring.
- Point Source Testing.
- Soil 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 0.4 ppb Cyanazine Calibrator.- 1 x Vial of 2.0 ppb Cyanazine Calibrator.- 1 x Vial of 10.0 ppb Cyanazine Calibrator.- 1 x Bottle of Cyanazine-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 100 microliters (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 100 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.
Limit of Detection:	- 0.15 ppb.
Limit of Quantification:	- 0.45 ppb.
Cross Reaction:	- Cyanazine (0.14 ppb). - Ametryn (36 ppb). - De-Ethylated Atrazine (2.2 ppb). - Atrazine (3.3 ppb). - Prometon (86 ppb). - Prometryn (57 ppb). - Propazine (2.9 ppb). - Simazine (60 ppb). - Simetryn (188 ppb). - Terbutylazine (0.04 ppb).

Measurement:
Product ID #:

- Microtiter Plate Reader or strip reader.
- EP018.