

ENVIROLOGIX Inc. - Environmental Mycotoxins - Molds

TRICHOHECENES - QuantiTox™ (ELISA Kit)

● Intended use

The EnviroLogix QuantiTox Kit For Tricothecenes Is A 96-well Plate Kit Designed For The Quantitative Laboratory Detection Of Tricothecenes, Including Roridin A, E, H and L-2, Satratoxin G And H, Isosatratoxin F, Verrucarin A And J, And Verrucarol In Bulk Samples. The Assay's Quantitation Range Is From 0.2 To 18.0 Parts Per Billion (ppb) Of Roridin A In The Sample Extract.

● General

This Kit is a competitive Enzyme-Linked ImmunoSorbent Assay (ELISA). In the test, tricothecenes in the sample compete with enzyme (horseradish peroxidase) labeled satratoxin 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

Materials Provided:	Materials Required But Not Provided:
<ul style="list-style-type: none">- 8 x 12 antibody-coated strips of wells, in plate frame.- 1 x Roridin A Stock Solution in 50% MeOH (900 ppb).- 1 x Satratoxin Enzyme Conjugate.- 1 x Substrate.- 1 x Stop Solution.- 1 x Packet of PBS salts (Sigma Chemical, Cat. # P-3813).	<ul style="list-style-type: none">- Disposable tip, adjustable air-displacement pipette to deliver 100 µL - 1000 µL (optional).- Positive displacement pipette to deliver 10, 20 and 100 µL (Microanatomy or equivalent).- Twelve-channel pipette to deliver 50 µL and 100 µL (optional).- Marking pen (indelible).- Tape or Parafilm.- Timer.- Microtiter plate reader or strip reader.- Microtiter plate washer (optional).- Racked dilution tubes for loading samples into the plate with a 12-channel pipette (optional).- Distilled or deionized water.- Orbital plate shaker (optional).

Kit Specifications:

Format:	- 96 well.
Time Requirement:	- Results in 1 hour.
Detection Limit:	- 0.14 ppb.
Measurement:	- Microtiter Plate Reader.
Product ID #:	- EP100.