

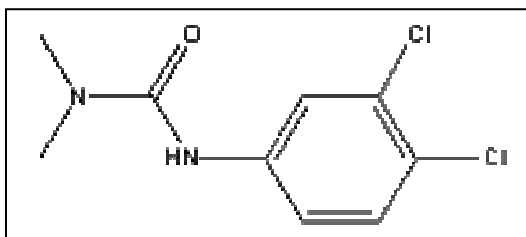
ELISA Kit for Agricultural Pollutants

Diuron ELISA Kit

(Microtiter Plate Format)

- ◇ The antibody binds Diuron and related Phenylurea herbicides and does not cross-react with other non-related agricultural compounds.
- ◇ The assay range is between 0.03 ppb and 3.0 ppb. This supersensitive assay allows the determination of Diuron in a range of environmental samples (water, soil, sediment, fish plasma, etc.).
- ◇ Direct sample. No time-consuming sample extraction or the use of hazardous organic solvents.
- ◇ Total time for measurement is less than 60 minutes.
- ◇ The kit (96 Tests), a microtiter plate format with ready to use reagents, enables fast assay kinetics, super sensitivity, and the simultaneous measurement of multiple samples at a reasonable cost.

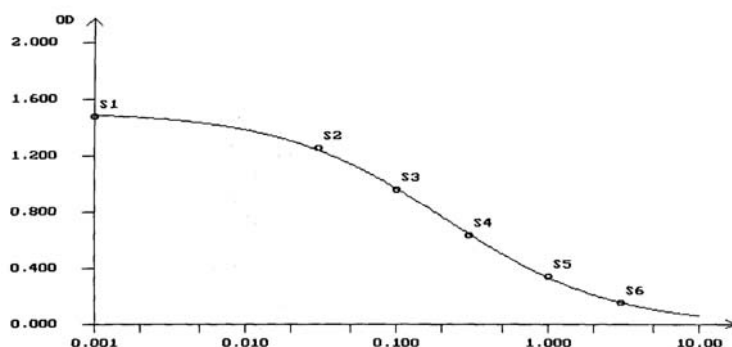
Chemical Structure



Diuron is a pre-emergent and early post-emergent herbicide for the control of grass, broadleaf weeds and some vines. Diuron belongs to the class of Phenylurea herbicides. In addition, these type of herbicides are applied for weed control e.g. railway lines, road, parking lots or industrial areas, as well as for algae control in fish ponds. Diuron is also increasingly being used as a booster biocide in antifoulant paint. Diuron has moderate ability to leach through the soil. Because of their relative wide application, their relative high persistence, and their ability to leach through the soil, they can be detected in rain, surface water and ground water.

This ELISA test kit detects Diuron and related Phenylurea herbicides in environment samples at the ppt levels.

Diuron Standard Curve



Samples containing Diuron within the dynamic range (0.03-3.0 ppb) can be directly tested in the assay.

Basic Test procedure

- Add 50 uL of sample, and 50 uL enzyme conjugate. Swirl to mix.
- Incubate for 30 minutes.
- Decant and wash.
- Add 100 uL of color solution.
- Incubate 20-30 minutes.
- Stop the reaction and read color at 450 nm. Quantitate results.

Cross-reactivity Pattern

Cross-reactivity of the Abraxis Diuron ELISA expressed as (%)

Compound	Cross-Reactivity (%)
Diuron	100
Neburon	1250
Chlorbromuron	62.5
Linuron	25
Chlortorulon	7.8
Propanil	4.8
Monuron	<1
Monolinuron	<1
Fenuron	<1
Bromuron	<1
Isoproturon	<1
Propham	<1

Kit Format

Diuron ELISA Kit (Microtiter Plate format, 96T) PN 520001

Manufactured by
Abraxis LLC
54 Steamwhistle Drive
Warminster, PA 18974
Phone: (215) 357-3911
FAX: (215) 357-5232
Email: info@abraxiskits.com
WEB: www.abraxiskits.com



