

11754 Westline Industrial Dr., St. Louis, MO 63146

GLYPHOSATE PLATE ASSAY

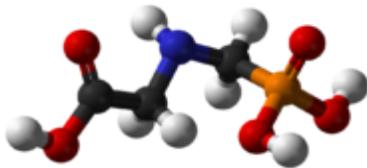
www.microbeinotech.com

800-688-9144 or 314-645-2177

Microbe Inotech Laboratories LLC. Glyphosate testing sensitivity is down to 0.6ppb for detection in urine using a Competitive ELISA method that has been validated for water, soil and agricultural products. In addition, the assay can also detect the herbicide in human urine, human serum, milk, powdered and non-fat milk, baby formula, lentils, white beans, soybeans, corn, malt, barley, potatoes, rose stems, honey, corn syrup, tofu, soy sauce, tea leaves, ground oats, wheat, barley, with others pending.

What is glyphosate?

Glyphosate (N-(phosphonomethyl)glycine) is a broad-spectrum systemic herbicide and an organophosphorus compound, specifically a phosphonate.



What are our test purposes?

For the detection and quantitation of glyphosate in tested samples.

What is the principle of the Glyphosate assay?

The assay is a competitive ELISA assay where an enzyme-linked glyphosate competes with any glyphosate found in the sample in terms of binding by the anti-glyphosate antibody we use.

How do we determine the amount of glyphosate in samples?

For each assay plate, a set of positive controls are run along with all test samples in the same plate. In addition, replicates of samples are also used for testing. A standard curve is obtained with the data obtained from the set of standard controls. The glyphosate concentration can be obtained by interpolation using the standard curve.

What can the assay data tell us? Can a positive assay data indicate the toxicity?

This assay is used to detect the glyphosate concentration within the samples. Positive data only indicates the detected amount of glyphosate but not toxicity.

Are we qualified to run this assay? For example, human urine samples?

Microbe Inotech Laboratories, Inc is a testing lab with 25 years of history. The lab employs experienced scientists and is equipped with modern instruments and accurate assays. Though our lab is not CLIA certified, we are qualified to run tests as “Laboratory developed tests” on samples including human urine samples (per CLIA regulations).

What happens when there are positive results from tested samples?

Our lab is an environmental, analytical microbiology research and service independent company. We do not publish client data without written permission and as a non-clinical laboratory the data provided is not for the purpose of human diagnosis nor do we guarantee data fitness for specific purpose.

Custom Assay Development to Solve Problems using Modern Instrumentation



← Molecular Devices
ThermoMax Reader

96 well microtiter
plate with redox
indicator

