AgraStrip® Pro Watex® AgraVision™ Pro

The AgraStrip® Pro WATEX® test system enables the rapid and simple on-site quantification of mycotoxins in a variety of agricultural commodities. Both extraction and assay have been streamlined, reducing steps to a bare minimum while setting new standards in accuracy and usability.

Product Description

AgraStrip® Pro WATEX® test kits are lateral flow devices for the rapid, on-site detection of mycotoxins in a variety of agricultural commodities.

Strips are available for total aflatoxins (B1, B2, G1, G2), deoxynivalenol, ochratoxin A, zearalenone, total fumonisins (B1, B2, B3), and T-2/HT-2 toxins.

With the newly developed AgraVision™ Pro reader, the system features a shared extraction and dilution procedure and an intuitive walk-away operation to allow simple testing for several different mycotoxins in less than 10 minutes while helping to eliminate common handling errors.

The system can independently and simultaneously test up to 4 samples. The assay takes only 4 minutes, and the reader controls timing, temperature and flow, all in a streamlined procedure. With its integrated incubator and resistance to dust and dirt, the reader secures precise and quantitative results and allows consistent documentation.

Our proprietary water-based extraction eliminates hazards both to the user and the environment.

Applications

A variety of commodities can be analyzed. Please refer to current application briefs for your commodity and mycotoxin of interest.

Approvals / Certifications

AOAC-PTM:	AgraStrip® Pro Total Aflatoxin WATEX®
USDA-FGIS:	AgraStrip® Pro Total Aflatoxin WATEX®
	AgraStrip® Pro Deoxynivalenol WATEX®
	AgraStrip® Pro Ochratoxin A WATEX®
	AgraStrip® Pro Zearalenone WATEX®

Kit Contents

AgraStrip® Pro WATEX® test kits come complete with strips, strip cartridges, microcentrifuge tubes and a holder, a dilution buffer, extraction buffer bags, pipette tips and Whirl-Pak® filter bags to analyze up to 40 samples.

Features and Benefits

Rapid

Up your grain intake with quick sample preparation, a 4-minute assay time and the capacity to test 4 samples at once on-site.

Simple

Eliminate errors with a common extraction/dilution and an intuitive, walk-away operation. No sophisticated training process required. The water-based extraction means no handling or disposal of organic solvents.

Robust

Precise results in the toughest of conditions thanks to the integrated incubator and resistance to dust and dirt.

Connected

Stay on top of your data with blockchain-enabled test strips. Automatically collect your data with the Romer Labs Data Manager. Transfer it to a PC, export it to LIMS or print it out.

Outstanding Support

You're not alone. Whether it's for validations, questions or custom solutions, our experts are there, whenever you need them.

AgraStrip® Pro Watex® AgraVision™ Pro

Carefully read the product manual before performing any test.

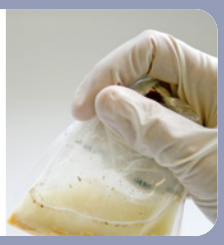
3-Step Procedure in Brief

1 Extract your sample

Add sample and buffer bag to the Whirl-Pak® filter bags.

Add distilled, deionized or bottled water.

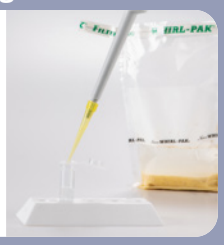
Shake and let settle. Certain toxin-matrix combinations require an additional pre-centrifugation step (see commodity validation list).



2 Perform the test-specific dilution and centrifugation

Add assay dilution buffer to a microcentrifuge tube.

Transfer sample extract into the microcentrifuge tube and centrifuge for 30 seconds.



3 Run the assay with the AgraVision™ Pro reader

Transfer the cartridge with the strip to the reader and enter sample and test information.

Add sample extract to the cartridge. The reader starts the assay and displays results when finished.

4 minute assay

Ordering Information

Item	Description	Item No.	Limit of Detection	Quantitation Range
AgraStrip® Pro Total Aflatoxin WATEX®	40 tests	10006322/10006323**	1 ppb	0 – 460 ppb
AgraStrip® Pro Deoxynivalenol WATEX®	40 tests	10006320/10006321**	0.1 ppm	0 – 44 ppm
AgraStrip® Pro Total Fumonisin WATEX®	40 tests	10006318	0.1 ppm	0 – 44 ppm
AgraStrip® Pro Ochratoxin A WATEX®	40 tests	10006332/10007198**	2/0.5* ppb	0 – 100 ppb
AgraStrip® Pro Zearalenone WATEX®	40 tests	10006316/10006317**	25 ppb	0 – 1650 ppb
AgraStrip® Pro T-2/HT-2 WATEX®	40 tests	10006614	15 ppb	0 – 1000 ppb
AgraVision™ Pro Reader	Reader	10006324		n/a
AgraVision™ Pro Printer	Printer	10006483		n/a
AgraVision™ Pro Scanner	Scanner	10006484		n/a

* High-sensitive method for the detection of Ochratoxin A available.

** To perform test according to FGIS protocol, please use the kits which include material for 50 g sample extraction.

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