

NEOGEN®

Mycotoxin Solutions

Flexible Mycotoxin Solutions to Fit Your Workflow

Since launching the first rapid mycotoxin testing solution in 1985, to becoming a trusted leader in food and feed safety, Neogen® has always delivered comprehensive mycotoxin testing programs. Our offerings combine rapid screening tests, quantitative laboratory methods, validated workflows, proficiency testing programs, mycotoxin reference materials, and expert technical support to ensure reliable results across a wide range of commodities.

Let us support your mycotoxin risk management programs, help you meet regulatory and customer requirements, and protect your brand from costly contamination events.



Water-based or solvent extraction

Room temperature storage

Commodities Validated

AOAC & FGIS Certifications

Neogen Lateral Flow Solutions

Neogen offers unmatched flexibility in mycotoxin testing, allowing operations to choose the solution that best fits their commodities, workflows, and throughput needs.

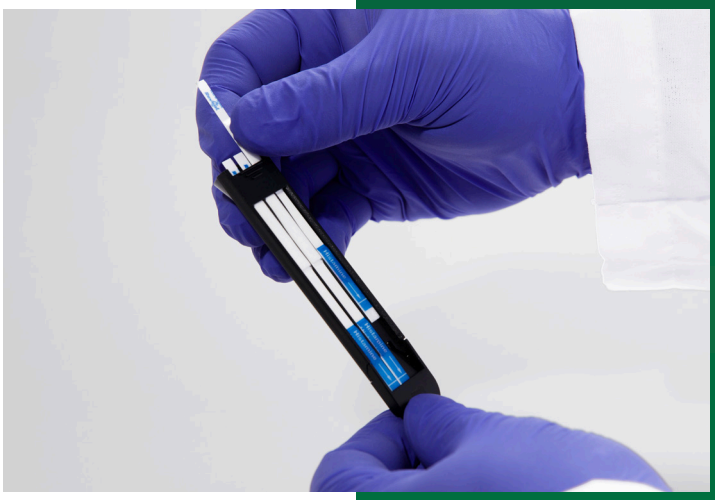


Neogen Reveal Q+ MAX

Neogen Reveal® Q+ MAX features an aqueous extraction and a single extraction method for all six mycotoxins, simplifying testing across a wide range of validated matrices and reducing preparation time.

	Testing Time	Range of Detection*
Reveal Q+ MAX Aflatoxin	6 min	3–300 ppb
Reveal Q+ MAX DON	3 min	0.3–30 ppb
Reveal Q+ MAX Fumonisin	5 min	0.3–6 ppb
Reveal Q+ MAX Ochratoxin	5 min	5–100 ppb
Reveal Q+ MAX T-2/HT-2	5 min	50–3000 ppb
Reveal Q+ MAX Zearalenone	5 min	25–1500 ppb

*Range of detection with dilutions



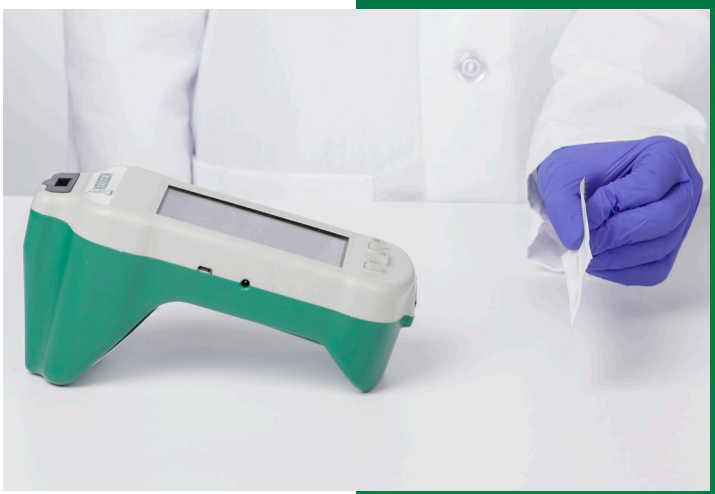
Neogen Reveal Q+

For more challenging commodities, Neogen Reveal® Q+ utilizes a solvent-based extraction designed to deliver reliable performance where complex matrices require added robustness.

	Testing Time	Range of Detection*
Reveal Q+ Aflatoxin	6 min	3–300 ppb
Reveal Q+ DON	3 min	0.3–30 ppb
Reveal Q+ Fumonisin	5 min	0.3–6 ppb
Reveal Q+ Ochratoxin	9 min	2–10 ppb
Reveal Q+ T-2/HT-2	6 min	50–600 ppb
Reveal Q+ Zearalenone	6 min	50–1200 ppb

*Range of detection with dilutions





Both Reveal Q+ MAX and Reveal Q+ kits are available in two workflow formats — vortex mode and endpoint mode — to match your business's operational demands.

Reader Options Designed to Fit the Way You Test

Neogen's Raptor® and Raptor Solo® readers are designed to support quantitative mycotoxin testing across a range of laboratory and on-site workflows. Both readers provide:

- Built-in bar code scanner, automating lot number and test type selection
- In-reader incubation that supports semi-automated, Vortex mode
- Automated transfer of data to Data Manager or external LIMS system

Raptor supports Vortex mode, our semi-automated workflow, and allows up to three samples to be run simultaneously. Each port operates independently, enabling users to start samples at different times and maintain a flexible, efficient workflow.

Raptor Solo is designed for single-sample testing and supports both Vortex and Endpoint modes. Its battery-operated, portable design makes it ideal for remote locations or laboratories that require mobility without sacrificing performance.

Together, Raptor and Raptor Solo provide scalable reader solutions to meet a wide range of testing environments, throughput requirements, and operational needs.

Vortex Mode

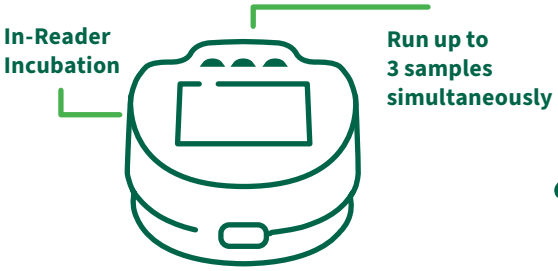
A semi-automated workflow that allows users to add the sample and walk away. This approach minimizes hands-on time, reduces user error, and supports multitasking in busy laboratories.



Sample extraction



Dilute sample



Add sample to Neogen Raptor



Automated incubation & results

Endpoint Mode

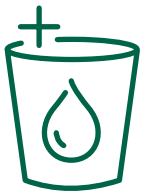
Ideal for batch testing, this format increases testing speed and throughput, making it well-suited for high-volume operations.



Sample extraction



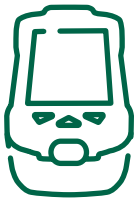
Dilute sample



Add sample to sample cup



Start another sample 30 seconds later



Read in Raptor Solo





Simple & Adaptable Extraction Preparation

MAX 1 extraction solution offers multiple preparation formats to match your laboratory workflow and throughput needs.

Individual Packet Format

- Add one MAX 1 packet directly to each sample
- Add water and proceed with extraction
- Ideal for low-volume testing or when preparing samples individually

Bulk Solution Format

- Prepare a bulk MAX 1 solution by adding one bulk packet to 1 L of water
- Use the pre-made solution to prepare multiple samples
- Ideal for high-throughput testing and batch sample preparation

Both options provide the same reliable performance while allowing laboratories to choose the preparation method that best fits their daily operations.



Proven ELISA Performance for Mycotoxin Testing

Veratox® quantitative ELISA microwell assays are ideal for laboratories with established testing capabilities, including food manufacturers, commercial labs, and government facilities. These assays deliver accurate, quantitative results across a wide dynamic range, with high-sensitivity options available for detecting low levels of contamination.

Quantitative

Measure the exact concentration of mycotoxins in your samples to support food safety decisions and regulatory compliance

Batch Testing

Test up to 19 samples per run, alongside controls, to maximize throughput and laboratory efficiency

Precise Results

Generate results comparable to analytical reference methods such as HPLC

Streamlined Workflow

Simple procedures and minimal training requirements help reduce hands-on time and optimize lab resources

Wide Range of Assay Capability

Broad Mycotoxin Coverage

Neogen Veratox® ELISA kits are available for aflatoxin, DON, ochratoxin, zearalenone, T-2/HT-2 toxin, and fumonisin.

Flexible Extraction Options

Aqueous extractions available for Veratox MAX for Total Aflatoxin, Veratox MAX for Aflatoxin High Sensitivity, Veratox for DON 2/3, Veratox for DON 5/5, Veratox for DON High Sensitivity, and Veratox MAX for Zearalenone.

Enhanced Sensitivity

For enhanced detection at lower contamination levels, high-sensitivity (HS) assays are available for aflatoxin, DON, fumonisin, and ochratoxin.

A range of assay and extraction options helps laboratories select the right method for their testing requirements.



Assays can be read using the Awareness Stat Fax® reader or other compatible microwell plate readers.

Comprehensive Support Services

Neogen is proud to provide expert technical support servies to help laboratories implement, validate, and maintain robust and efficient mycotoxin testing programs.

Matrix Feasibility Support

With over 500 commodities tested for feasibility, our mycotoxin test kits are proven to perform across a broad range of matrices. If additional support is required, our regional laboratories can support custom matrix feasibility studies upon request, ensuring confidence in your specific application.

Mycotoxin Proficiency Testing (PT) Program

Neogen offers a regular mycotoxin proficiency testing program designed to support customer requirements, third-party certifications, and regulatory compliance.

As part of a proficiency testing program, participants receive spiked samples for blind testing. Results are submitted and evaluated against known target values, and participants receive a confidential performance report that verifies the accuracy and effectiveness of their testing procedures.

These support services help laboratories demonstrate competence, maintain compliance, and ensure ongoing confidence in test results.

Mycotoxin Reference Material

When looking to validate your in-house results, we can also provide naturally contaminated mycotoxin reference material (MRM) for testing. The samples will have varying levels of toxin present and can be used as part of training or internal certification to confidently evaluate your sampling, extraction, and testing performance.



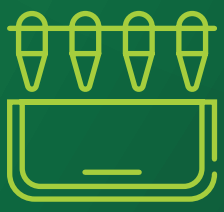
We are here to support you

Neogen offers global support for mycotoxin detection



Method Trial

- Technical sales support
- Educational materials (by segment, technology, assay type)
- Demonstration or initial evaluation



Method Application

- Matrix Qualification Program*
- Studies and publications
- Integration into lab workflow
- Training and implementation



Routine Use

- Product availability
- Results interpretation
- Technical inquiries or challenges
- General mycotoxin/ food safety guidance



Hardware and Software

- Software updates
- Service and calibration
- LIMS integration via export options
- Database management
- Automation

For more information on Neogen's mycotoxin testing solutions, visit neogen.com

* Contact your local Neogen representative for more information.

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