PerkinElmer Launches MaxSignal™ HTS Total Aflatoxins and DON ELISA Kits with Advanced Automation for Streamlined Mycotoxin Testing

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Solution designed for complex matrices, delivering high sensitivity, single sample prep and high throughput processing

WHAT:

PerkinElmer, a global leader committed to innovating for a healthier world, today announced its MaxSignal™ HTS Total Aflatoxins and DON ELISA Kits featuring automated and easy-to-use mycotoxin testing workflows. Using the new assays and automation, food safety QA managers and lab teams at grain processors, feed mills, pet food companies and contract labs can process up to 192 samples in less than 90 minutes. In addition to the significant improvement in productivity (or sample throughput), the new solutions handle complex matrices with high sensitivity and accuracy. The workflow is designed to "set it and forget it," which minimizes the need for manual intervention, reducing the risk of manual error and helping the customer meet their regulatory standards.

This innovation is compatible with PerkinElmer's automated ELISA solutions for foodborne pathogens, antibiotics as well as pesticide, residues and contaminant testing. It also continues to broaden the company's overall food portfolio across grain, seafood, dairy and meat testing workflows

HOW:

Particularly designed for complex matrices such as finished feed, grains and oil seed by-products and pet food ingredients, the new automation solution enables aflatoxin and DON analytes to be extracted from a single sample. ELISA assays can also run in parallel. To further deliver ease of use and efficiency, ready-to-use reagents and standard operating procedures (SOPs) are included. Assays are highly sensitive with detection levels of less than 2.6 ppb for Total Aflatoxins and 1.6 ppm for DON - well below maximum, regulated residue limits.

Bringing hands-free sample dilution and distribution, the automated system reduces cross-contamination and features an integrated barcode scanner for sample traceability. It can also integrate with LIMS systems for optimized and convenient result recording and analysis.

WHY:

"Our customers are under significant pressure to deliver quality product to their customers and must be able to quickly and easily screen for mycotoxins to meet regulations and help keep consumers safe. Traditional, manual approaches have not allowed for this, demanding labor and time-intensive training and processes. Our solutions provide accurate and fast results so our customers know only safe, quality product is delivered to the supply chain," said Greg Sears, VP and GM of Food at PerkinElmer. "With our new automated platform solution for Total Aflatoxin and DON, we are delivering easier sample prep, simplified extraction and complete workflows around mycotoxin testing. This brings faster times to result, lower costs per sample and higher productivity."

MORE: To learn more about this new offering, click here. For additional information about PerkinElmer's innovations across food safety and quality analysis, visit: https://www.perkinelmer.com/category/food-safety-quality.

About PerkinElmer

PerkinElmer enables scientists, researchers and clinicians to address their most critical challenges across science and healthcare. With a mission focused on innovating for a healthier world, we deliver unique solutions to serve the diagnostics, life sciences, food and applied markets. We strategically partner with customers to enable earlier and more accurate insights supported by deep market knowledge and technical expertise. Our dedicated team of about 13,000 employees worldwide is passionate about helping customers work to create healthier families, improve the quality of life, and sustain the wellbeing and longevity of people globally. The Company reported revenue of approximately $2.9 billion in 2019, serves customers in 190 countries, and is a component of the S&P 500 index. Additional information is available through 1-877-PKI-NYSE, or at www.perkinelmer.com.

Media Contact:
Jennifer McNeil
jennifer.mcneil@perkinelmer.com
+1 508.361.5901