MBio Diagnostics, Inc. Rapid Detection Platform Validated in Independent Study

Portable Array Testing Platform Reduces Analysis Time, Offers Cost-Saving Benefits

Boulder, CO, March 16, 2015 – MBio Diagnostics, Inc., a company leading a new era in rapid, on-the-spot clinical diagnostics and sample testing, announced today the publication of a study demonstrating the speed, utility and multiplexing capabilities of the company’s MBio Array System in detecting antibiotic residue in raw milk. The study was published online in Analytical and Bioanalytical Chemistry, titled “Development of a rapid multiplexed assay for the direct screening of antimicrobial residues in raw milk.” The study was conducted at the Institute for Global Food Security, Queen’s University Belfast, in conjunction with Neogen Corporation, which provided various reagents used in the assay.

The paper describes the simultaneous testing for three antibiotics in raw milk in only 5 minutes, without need for sample preparation. The study demonstrated excellent sensitivity, low variability, and good linear range. Notably, the three antibiotics chosen were from three separate antibiotic chemical families, a unique achievement for a rapid, on-site test format.

“A portable, on-site screening test that can produce results within minutes can fundamentally change workflows and speed up validation processes in multiple industrial testing environments,” commented Dr. Chris Myatt, MBio’s CEO. “In addition, the ability to test multiple targets together improves efficiency and ultimately lowers cost.”

“This collaboration has clearly demonstrated the robustness of the MBio platform, where partners have independently developed and validated a unique new test in real world applications,” added MBio VP and CTO Michael J. Lochhead.

About the MBio Array System

The MBio Array System is a portable, easy-to-use multiplex reader that provides lab-quality results in 1 to 20 minutes employing low-cost, disposable load-and-go cartridges. The System utilizes patented LightDeck® planar waveguide technology that eliminates sample prep and can be designed to detect all key analytes including: proteins, cells, nucleic acids, and small molecules.

About IGFS

The Institute for Global Food Security is based at Queen’s University Belfast within the School of Biological Sciences. The Institute houses a suite of state-of-the-art laboratories, conducting cutting edge research into various topics ranging from soil & plant health through to food security. Since its inception in 2006, the work of the Institute has become internationally-recognized for its excellence in research and teaching. It is now ranked number one in the UK.
for agriculture, food and veterinary science research. The Institute for Global Food Security is a key partner in national and global efforts to provide the world’s growing population with a sustainable, safe and secure supply of high quality food.

About Neogen

Neogen Corporation develops and markets products dedicated to food and animal safety. The company’s Food Safety Division markets dehydrated culture media, and diagnostic test kits to detect foodborne bacteria, natural toxins, food allergens, drug residues, plant diseases and sanitation concerns. Neogen’s Animal Safety Division is a leader in the development of animal genomics along with the manufacturing and distribution of a variety of animal healthcare products, including diagnostics, pharmaceuticals, veterinary instruments, wound care and disinfectants. [www.neogen.com](http://www.neogen.com)

About MBio Diagnostics

MBio is leading a new era in rapid, on-the-spot clinical diagnostics and sample testing. Our portable MBio multiplex analyzer and disposable cartridge enable low-cost, rapid answers in 1 to 20 minutes. MBio aims to be the platform of choice for leading providers and users of clinical and analytical testing services in all market segments including: medical, veterinary, environmental, food, agricultural and military. [www.mbiodx.com](http://www.mbiodx.com)

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