

Press Release

foodproof RoboPrep Fusion®

- Potsdam, 22th May 2018 -

A Revolutionary High-Throughput Solution for fully-automated DNA / RNA Extraction and PCR Setup

BIOTECON Diagnostics' **foodproof** RoboPrep Fusion® for molecular food and veterinary diagnostics is the perfect combination of a precise liquid handling robot with an attached and highly efficient DNA / RNA extraction system – the KingFisher™ Flex. The pipetting robot does the complete preparation of the sample material and the buffers required for the extraction. The separate gripper arm is capable to transfer the prepared microtiter plates to the KingFisher™ Flex for the DNA / RNA extraction process.

This open and modular system shows a high flexibility and robustness due to liquid displacement pumps. A variety of validated **foodproof**® magnetic preparation kits allows testing of a broad range of parameters. The kits contain magnetic beads to extract highly purified DNA or RNA for direct use in real-time PCR applications, such as the **foodproof**® detection and quantification kits. The purified nucleic acids are automatically moved back into the liquid handling system for subsequent PCR setup. Resulting PCR plates can be used directly in a real-time PCR cycler. All samples are tracked with an integrated barcode reader. The robot is supplied with extremely user-friendly software, which controls both instruments.

The following key characteristics are unique for the complete system: an **application guarantee** (for specified parameters / protocols / support), **high speed** (hands-on-time only 15min per 96 samples), **robustness** (no air-displacement pumps; two separate instruments, which can work also independently), as well as **low consumption** of tips and consumables (< 250 tips per 96 samples).

„Different bacterial pathogens, viruses, plant (allergen, GMO) and animal (ID) samples running on one certified and full automated scalable and robust instrument for DNA / RNA extraction and PCR setup as well as many other possible applications was always our goal“, explains Alois Schneiderbauer, Chief Business Officer (CBO) of BIOTECON Diagnostics.

For more information about this all-in-one solution please visit:

www.bc-diagnostics.com/products/instruments/automation/foodproof-roboprep-fusion

BIOTECON Diagnostics is located in Potsdam (Brandenburg), Germany. Since 20 years the company is a competent partner for all molecular biological and microbiological challenges in the food and beverage industry. In the companies' focus are the development, production and marketing of real-time PCR based rapid test methods including automation solutions.

BIOTECON Diagnostics also offers seminars and workshops in the fields of microbiology, food analysis (including virus detection), regulations and automation. For more information please view:

www.bc-diagnostics.com/pr/seminars-and-workshops

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