

Eurofins, UgenTec to employ AI for molecular testing

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Eurofins Genescan Technologies taps UgenTec's FastFinder Analysis module for molecular test portfolio



Eurofins GeneScan Technologies GmbH and UgenTec have announced a collaboration on the development of assay plugins for Eurofins GeneScan Technologies' portfolio of molecular biology kits on UgenTec's real-time PCR analysis software platform, FastFinder.

The partnership will enable Eurofins to deploy their assays at scale with analysis and automated result reporting included, ensuring the fast sample-to-result times required in food, feed and seed testing.

Eurofins GeneScan Technologies offers a unique and extensive portfolio of kits based on RNA/ DNA detection using real-time PCR. The product lines cover DNA extraction kits, the detection of pathogenic microorganisms and viruses as well as genetically modified organisms (GMOs), animal and plant species.

FastFinder analysis is a software module that uses artificial intelligence to support the analysis and interpretation of qPCR data. Trained on over a billion data points across hundreds of assays, FastFinder takes any assay on any common PCR device and minimizes hands-on time. It allows diagnostic companies to standardize the way their assay is used in the field or by their service laboratories, making interpretation operator-independent and reducing time-to-result.

With FastFinder, laboratory end-users standardize their workflow on a uniform, online, device-agnostic qPCR software platform. For Eurofins, this ensures 100% reproducibility in testing workflows, while accelerating assay roll-out, simplifying support to laboratories, and providing customers with an integrated solution from raw data to report.

In the collaboration, UgenTec will develop artificially intelligent software components for Eurofins GeneScan Technologies' assays, called assay plugins, which are deployed into the FastFinder analysis software used in testing labs. While the FastFinder software platform is standardized globally, assay plugins are specific to Eurofins GeneScan Technologies' assay technology and will be validated together with the assays UgenTec builds its software platform under a certified ISO13485 Medical Device Quality Management System to assure its software meets the high standards required in the routine diagnostic space. By partnering with UgenTec, laboratories and MDx companies tap into years of experience, bringing CE-IVD software to the market.