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Thermo Fisher introduces software to streamline routine diagnostics testing

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Time to qPCR-based diagnostic results reduced by over two hours and improved lab collaboration with automated quality control and interpretation



To address challenges with error-prone, manual molecular testing workflows, US-based Thermo Fisher Scientific has introduced Diomni Enterprise Software, helping streamline routine diagnostics testing for standardisation and faster time-to-results.

By connecting workflow steps within one interface, Diomni Enterprise can increase a lab's ability to dynamically respond to today's rapidly changing testing environment. The solution can be used by a variety of labs performing routine quantitative polymerase chain reaction (qPCR) diagnostic tests and by developers to increase the speed of innovation for emerging testing solutions.

Molecular diagnostics clinical labs and kit manufacturers often suffer from antiquated systems that can be hard to scale for increased throughput or expanding test menu. Further, manual and inefficient steps may make it difficult to track samples and maintain compliance, which is critical for a molecular diagnostics laboratory. For assay developers, transitions between development stages and a lack of process standardization can slow time-to-market and jeopardize regulatory compliance.

Addressing these challenges, Diomni Enterprise seamlessly connects the individual steps of the workflow in one unified platform to improve productivity of qPCR workflows. Diomni Enterprise empowers labs to operate at their highest potential by automating the interface with existing laboratory information systems (LIS) for enhanced efficiency and traceability.