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Thermo Fisher introduces new real-time qPCR systems

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Thermo Fisher Scientific has introduced New real-time qPCR systems that fully integrate with cloud computing technology mark a new era in data sharing and global research collaboration. The Applied Biosystems QuantStudio 3 and QuantStudio 5 Real-Time PCR systems, designed to enable multi-institutional work across geographically dispersed teams, will be on display at the 2015 American Association for Cancer Research (AACR) Annual Meeting.

The new qPCR systems are the latest addition to the QuantStudio portfolio from Thermo Fisher Scientific. Designed for low-to mid-throughput laboratories conducting real-time PCR experiments, QuantStudio 3 and 5 are the first to connect to the Thermo Fisher Cloud computing platform, allowing applied and clinical researchers to learn, analyze, share, collaborate, and obtain support within a single platform. Researchers worldwide can now collaborate online in real-time, and access their data wherever and whenever necessary. Laboratories can also share experimental conditions and results with their partners, while providing a uniform experience for every user, and helping minimize training and errors.

"The QuantStudio 3 and 5 systems have been brought to market by a team with a heritage of developing the most advanced qPCR platforms. By linking technologies to a common computing platform, researchers working to control an outbreak, for example, can leverage laboratories across the world to identify virus strains from various hot zones, perform screening of the strains and monitor strain mutation in real time," said Mr Chris Linthwaite, president, Genetic Sciences at Thermo Fisher Scientific.

With the Applied Biosystems QuantStudio 3 and QuantStudio 5 Real-Time PCR systems hosted on AWS, these PCR systems benefit from the inherent security of the AWS Cloud. The AWS Cloud infrastructure is architected for flexibility and security, and provides an extremely scalable, highly reliable platform that enables customers to deploy applications and data quickly and securely. Researchers using the PCR systems can access their work any time they have an Internet connection, without the need for subscription software.

The new instruments seamlessly integrate with existing analysis workflows, syncing with next-generation sequencing (NGS), capillary electrophoresis (CE) and qPCR applications to create a customized data ecosystem. Interactive touch screen controls allow scientists to directly manage experiments with intuitive commands.

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Applied Biosystems QuantStudio 3 and QuantStudio 5 Real-Time PCR systems are for research use only; not intended for diagnostic purposes.

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