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Waters and Sartorius expand collaboration towards downstream biomanufacturing

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Bioprocess scientists will be able to check product quality closer to the process, saving weeks of production time



Waters Corporation and Sartorius have announced a new collaboration to develop integrated analytical solutions for downstream biomanufacturing, expanding their joint agreement that began with upstream bioprocessing analytics. Software and hardware integrations between the Waters PATROL UltraPerformance Liquid Chromatography (UPLC) Process

Analysis System and the Sartorius Resolute BioSMB multi-column chromatography platform will give bioprocess engineers access to more comprehensive analytical data for downstream batch and continuous manufacturing, improving yields while reducing waste and driving down biomanufacturing costs.

In-process sampling and the analysis of biological drugs sent to a central laboratory can take weeks before the results of necessary quality checks are in. Waters and Sartorius have shown how bioprocess scientists can streamline these analytics, so that product quality tests for protein A, aggregation and charge variants occur closer to the process, potentially saving weeks of production time. This has a positive impact on total process yield and product quality because the individual downstream unit operation can be further optimized much more easily, and corrective actions can be taken much faster.