

Drug screening software, 9/13

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AB Sciex's MPX TF 1.0 software is designed to accelerate drug screening, with accurate mass-based technology for laboratories performing clinical research. The software delivers faster turnaround times, increased sample throughput, and lower costs compared with single-stream, mass spectrometry (MS) methods.

With the MPX TF software, researchers can increase throughput by as much as twofold. This is made possible by enabling the use of two parallel liquid chromatography streams. The ability to stagger chromatographic runs while collecting sample data allows the use of instrument dead time to increase the number of samples run during a given time. This means identifying more compounds in a shorter period of time.

By combining the increased throughput of the MPX software with the capability of the AB Sciex TripleTOF 4600 accurate mass system to produce reliable data for a large number of compounds, researchers will be able to do more in less time compared to single-stream MS methods while significantly reducing rates of false positives and false negatives, thanks to LC separation of potential interferences and the enhanced specificity of high-resolution accurate mass technology.

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