

Analytical Instrumentation

Analytical LC-MS System for High-throughput characterization of Small Molecules



One analytical LC-MS system, consisting of Waters 616 pump and controller, 717plus autosampler, Waters 996 PDA and a Varian 1200L triple quadrupole mass spectrometer with either ESI, or APCI ionization interface, both capable of positive and negative ionization. The mass spectrometer can operate in several modes, including full scan, selected ion monitoring (SIM), selected reaction monitoring (SRM), multiple reaction monitoring (MRM), precursor scan, product scan, and neutral loss scan. Detection range is up to 1500 atomic mass units. A Nitrogen generator is supplying the necessary gas to the ionization interface. The air compressor supplying the Nitrogen generator is located on another floor. LC-MS data is collected by two workstations, using Waters' Millennium32 software and Varian's Saturn MS v. 6.41 software.

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